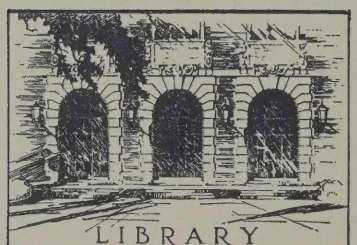

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NORTH ATLANTIC TREATY ORGANIZATION

ADVISORY GROUP FOR AEROSPACE RESEARCH AND DEVELOPMENT

(ORGANISATION DU TRAITE DE L'ATLANTIQUE NORD)

MANUAL ON AEROELASTICITY

VOLUME I	INTRODUCTORY SURVEY PART I STRUCTURAL ASPECTS
VOLUME II	PART II AERODYNAMIC ASPECTS
VOLUME III	PART III PREDICTION OF AEROELASTIC PHENOMENA
VOLUME IV	PART IV EXPERIMENTAL METHODS
VOLUME V	PART V FACTUAL INFORMATION ON FLUTTER CHARACTERISTICS
VOLUME VI	PART VI COLLECTED TABLES AND GRAPHS

General Editor
R. Mazet

October 1968

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FOREWORD

It gives me great pleasure to introduce to the nations of the NORTH ATLANTIC TREATY ORGANIZATION this publication as confirmation of continuing effort on the part of the ADVISORY GROUP FOR AERONAUTICAL RESEARCH AND DEVELOPMENT to coordinate and make readily accessible the knowledge existing among the members of NATO.

In specific fields the most effective way of collecting and disseminating accumulated data has been found to be by means of manuals which, produced in loose-leaf form, can be easily enlarged as new material becomes available.

This Manual on Aeroelasticity, a series of six volumes, has been planned and developed in this manner under the guidance of the Structures and Materials Panel of AGARD through its Committee on Aeroelasticity. The enthusiasm and untiring efforts of this group has produced a wealth of information of value to aircraft and missile firms and allied military technical organizations, as evinced in this and other AGARD publications.

It is hoped the results attained will prove an important source of information and of lasting value to all the workers in the field.

Theodore Kármán

Theodore von Kármán
Chairman-AGARD

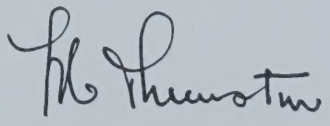
PREFACE

The Structures and Materials Panel of the Advisory Group for Aeronautical Research and Development of NATO was brought into existence by international agreement in June 1955. The early preoccupations of the Panel were with a number of critical surveys designed to illuminate the state of the art and to provide guidance towards improvements and extensions thereof. One of the constituent sectors of the Panel's sphere of interest was the subject of Aeroelasticity and subsequent to the holding of a Symposium on the subject in Washington in 1956, it was decided by the Panel that the existing literature on the subject could be most usefully complemented by the preparation of an Aeroelasticity Manual so constituted that it would be of unique value both to the researcher looking for new worlds to conquer and to the practitioner designing or proving his hardware. The present volume is the first of the series and it is hoped that the complete series of volumes which will constitute the Manual will stand as a definitive exposé of the subject for at least a few years to come.

For the work of editing the Manual, the Panel was fortunate indeed in being able to obtain the services of Dr.W.P.Jones of the National Physical Laboratory, England, whose tireless patience and expert opinion were essential to an international project of this magnitude. The Panel is also indebted to the contributing authors who, together, represent the most informed pool of knowledge of this subject accessible to the Panel in the free world.

On behalf of the Panel the compilation of the Manual was intermittently monitored by a committee of its members. The membership has changed somewhat during recent years but the Panel acknowledges with thanks the efforts of members both past and present who helped to guide and stimulate the creation of the Manual. It also deeply appreciates the encouragement and support provided by the Chairman of AGARD, Dr. Theodore von Kármán and of the Director of AGARD, Dr.F.Wattendorf.

The Executive of the Panel, during the whole course of its evolution, until he died in December 1959, was Mr. Deryck C.Smith. It is singularly tragic that he was not to see the tangible results of so much of his enthusiastic and skilful management. The Manual may therefore be regarded as a literary memorial to a charming and brilliant colleague, a devoted member of the AGARD Secretariat, and a man who fervently believed in and worked for the principles and practices of international collaboration.



F.R.Thurston
Chairman
S & M Panel

ACKNOWLEDGMENTS

In the preparation of this Manual much effort has been expended by many individuals and it is with pleasure that I acknowledge the excellent support I have received from all concerned. I am greatly indebted to the members of the Structures and Materials Panel and to past and present members of the Flutter Committee appointed by the Panel for much appreciated guidance and encouragement in the planning of this work. In particular I should like to mention the important part played by the Panel's former Executive, Mr. Deryck C. Smith, in initiating this project.

The Introductory Survey to the whole Manual and the chapters included in its several volumes have been produced by authors who had other pressing commitments and who were only able to contribute at some personal inconvenience. My acknowledgment of their full support and co-operation is therefore much more than a mere formality.

I should also like to express my indebtedness to Miss E.C. Pike of the Royal Aeronautical Society for her unfailing assistance in the preparation of the various chapters of the Manual for reproduction, and to the staff of Technical Editing and Reproduction Ltd. for carrying out this task so competently.

W.P. JONES
Editor

PREFACE TO THE 1968 REVISION

The first edition of this Manual appeared in 1961. The AGARD Structures and Materials Panel, under whose authority the Manual is published, felt that progress in aeroelasticity in the past few years was such that some of the chapters needed revising and bringing up to date and that new chapters were necessary, to cover recent developments.

Five chapters (Part I, Chapter 7; Part II, Chapter 7; Part III, Chapters 1 and 4; Part V, Chapter 5) have been revised to include significant extensions of the subject, and there are five new chapters, dealing with

The dynamics of liquid propellants (Part I, Chapter 8);
The automation of flutter calculations (Part III, Supplement to Chapter 4);
The interrelation between structural deformation and an autopilot (Part III, Chapter 8);
Propeller-rotor whirl flutter (Part III, Chapter 9);
Helicopter blade flutter (Part III, Chapter 10);

Small changes have been made in the presentation of the volumes, to make them easier to handle.

To bring the volumes up to date, it is only necessary to insert the new and revised material in the appropriate place within the existing binders for the six volumes.

Further revisions and new chapters are in hand and will be issued as soon as they are available.

R.Mazet
Editor

October 1968

PART VI

COLLECTED TABLES AND GRAPHS

by

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January 1964

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MANUAL ON AEROELASTICITY

CONTENTS OF VOLUME VI*

PART VI - COLLECTED TABLES AND GRAPHS

A.I. van der Vooren	**The Theodorsen Circulation Function Aerodynamic Coefficients**	Jan. 1964†

* The Contents of all Volumes are listed at the end of this Volume

† This date relates to the acceptance of the manuscript by AGARD

COLLECTED TABLES AND GRAPHS

1. INTRODUCTION

This volume contains a collection of existing numerical information on theoretical aerodynamic coefficients for a two-dimensional oscillating thin aerofoil. The information can be divided into three parts and described under the following headings:

(i) the Theodorsen circulation function for $M = 0$;

(ii) the aerodynamic coefficients for subsonic flow (including $M = 0$);

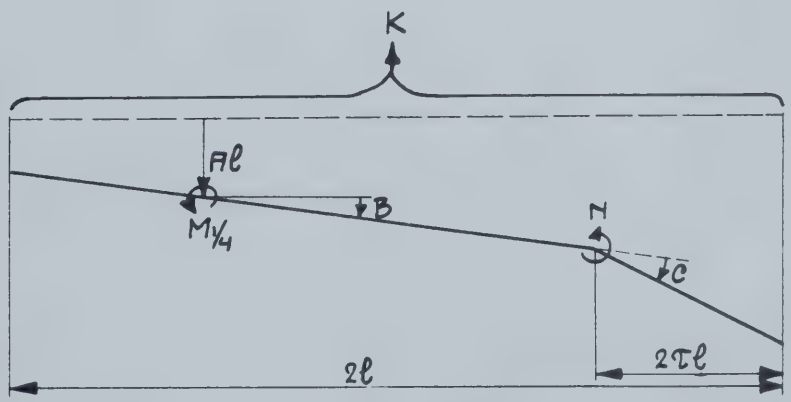
(iii) the aerodynamic coefficients for supersonic flow (including $M = 1$).

The choice of notation to be used was extremely difficult but after careful consideration it was decided to adopt that introduced by Küssner as standard. This is described fully in the following Notation. When data has been taken from reports using a different notation appropriate references are mentioned and the corresponding conversion formulae are included in Section 5.

A number of diagrams are given in Section 7 to illustrate the trend of the coefficients when certain parameters are varied, namely, reduced frequency, Mach number and ratio of control surface chord to main surface chord.

Values are not given of coefficients for aerodynamically balanced control surfaces or for tabs, since they are used less frequently. References to reports containing relevant information are included.

NOTATION



$K = \pi\rho V^2 l(k_a A + k_b B + k_c C)e^{i\nu t}$

$M_{\frac{1}{4}} = \pi\rho V^2 l^2(m_a A + m_b B + m_c C)e^{i\nu t}$

$N = \pi\rho V^2 l^2(n_a A + n_b B + n_c C)e^{i\nu t}$

Al translational amplitude of quarter-chord point, positive downward

B rotational amplitude of main surface, positive if trailing edge is lower than leading edge.

C rotational amplitude of control surface relative to main surface, positive in same direction as B.

The 'amplitudes' occurring in these definitions will, in general, be complex numbers, thus defining real amplitudes as well as phase differences.

K upward aerodynamic force on main surface + control surface

$M_{1/4}$ nose-heavy aerodynamic moment, about the quarter-chord point, of lift distribution on the whole chord

N nose-heavy aerodynamic moment, about the control surface nose, of lift distribution on the control surface

l semi-chord

t time

V flight speed

ρ air density in undisturbed flow

ν angular frequency of oscillation

ω reduced frequency, $= \nu l/V$

τ ratio between control surface chord and total chord

M Mach number

NOTE: The aerodynamic coefficients are complex numbers. They are also written as

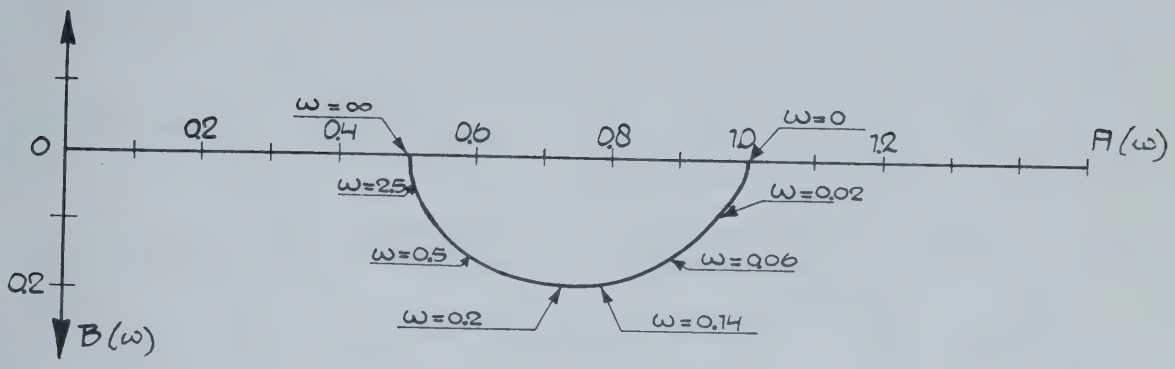
$$k_a = k_a' + ik_a'' , \text{ etc.}$$

The single primed coefficient ($'$) denotes the real part and the double primed coefficient ($''$) the imaginary part.

2. THEODORSEN CIRCULATION FUNCTION (M = 0)

The Theodorsen circulation function is given by

$$P(\omega) = A(\omega) - iB(\omega) = \frac{H_1^{(2)}(\omega)}{H_1^{(2)}(\omega) + iH_0^{(2)}(\omega)}$$



$$P(\omega) \equiv A(\omega) - iB(\omega)$$

Theodorsen Circulation Function (M = 0)

ω	A	B	ω	A	B	ω	A	B
0	1.0000000	0.0000000	0.42	0.6187392	0.1620556	0.98	0.5406197	0.1017105
0.01	0.9824216	0.0456521	0.44	0.6129575	0.1591543	1.00	0.5394349	0.1002729
0.02	0.9637253	0.0752079	0.46	0.6075879	0.1562909	1.10	0.5342148	0.0936062
0.03	0.9450111	0.0979135	0.48	0.6025921	0.1534740	1.20	0.5299560	0.0877090
0.04	0.9267018	0.1160013	0.50	0.5979361	0.1507095	1.30	0.5264367	0.0824643
0.05	0.9090087	0.1306443	0.52	0.5935896	0.1480019	1.40	0.5234957	0.0777759
0.06	0.8920397	0.1425944	0.54	0.5895258	0.1453541	1.50	0.5210132	0.0735641
0.08	0.8604318	0.1604021	0.56	0.5857205	0.1427682	1.60	0.5188992	0.0697629
0.10	0.8319241	0.1723022	0.58	0.5821522	0.1402450	1.70	0.5170845	0.0663173
0.12	0.8063273	0.1800727	0.60	0.5788016	0.1377852	1.80	0.5155155	0.0631816
0.14	0.7833715	0.1848904	0.62	0.5756512	0.1353885	1.90	0.5141501	0.0603171
0.16	0.7627719	0.1875659	0.64	0.5726853	0.1330545	2.00	0.5129548	0.0576913
0.18	0.7442570	0.1886727	0.66	0.5698898	0.1307822	2.10	0.5119026	0.0552762
0.20	0.7275799	0.1886242	0.68	0.5672518	0.1285708	2.20	0.5109717	0.0530482
0.22	0.7125211	0.1877232	0.70	0.5647596	0.1264189	2.30	0.5101443	0.0509871
0.24	0.6988879	0.1861940	0.72	0.5624026	0.1243252	2.40	0.5094058	0.0490750
0.26	0.6865125	0.1842043	0.74	0.5601712	0.1222882	2.50	0.5087440	0.0472969
0.28	0.6752492	0.1818807	0.76	0.5580567	0.1203065	3.00	0.5062799	0.0400039
0.30	0.6649711	0.1793191	0.78	0.5560509	0.1183784	4.00	0.5036709	0.0304961
0.32	0.6555686	0.1765929	0.80	0.5541466	0.1165024	5.00	0.5023973	0.0245986
0.34	0.6469460	0.1737580	0.82	0.5523369	0.1146768	10.00	0.5006178	0.0124467
0.36	0.6390200	0.1708575	0.86	0.5489774	0.1111714	∞	0.5000000	0
0.38	0.6317179	0.1679244	0.90	0.5459286	0.1078496			
0.40	0.6249763	0.1649840	0.94	0.5431533	0.1046996			

$H_0^{(2)}$ denotes the Hankel function of the second kind and zero order,

$H_1^{(2)}$ denotes the Hankel function of the second kind and first order.

The functions $A(\omega)$ and $B(\omega)$ should not be confused with the amplitudes of oscillation A and B defined in the Notation.

$A(\omega)$ and $B(\omega)$ are given in the table as functions of the reduced frequency. These values have been taken from Minhinnick's tables[1].

Approximate formulae for the functions $A(\omega)$ and $B(\omega)$, suitable for digital computers, are

$$A(\omega) = \frac{0.021573 + 0.210400\,\omega + 0.512607\,\omega^2 + 0.500502\,\omega^3}{0.021508 + 0.251239\,\omega + 1.035378\,\omega^2 + \omega^3}$$

$$B(\omega) = \frac{0.001995 + 0.327214\,\omega + 0.122397\,\omega^2 + 0.000146\,\omega^3}{0.089318 + 0.934530\,\omega + 2.481481\,\omega^2 + \omega^3}$$

Both formulae should only be used in the interval $0.1 \leqslant \omega \leqslant 3$. In this interval they have an error everywhere smaller than 4×10^{-6}.

3. AERODYNAMIC COEFFICIENTS FOR SUBSONIC FLOW (INCLUDING M = 0)

Tables W 1-5 give values of the coefficients

$$k_a\,,\quad k_b\,,\quad m_a\,,\quad m_b$$

for some Mach numbers and a large number of reduced frequencies ω.

Tables C 1 to C 51 gives value of the coefficients

$$k_c\,,\quad m_c\,,\quad n_a\,,\quad n_b\,,\quad n_c$$

for some Mach numbers and several values of the reduced frequency ω and the chord ratio τ.

The values for the wing coefficients and the control surface coefficients for τ-values to 0.30 and Mach numbers to 0.80, have been taken from the tables of NLL[2], De Jager[3] and Minhinnick[4].

Results for wing derivatives for Mach numbers between 0.8 and 1.0 are given by Jordan[5], W.P. Jones[6] and van de Vooren and Boersma[7], while for control surface derivatives some more results are given by Turner and Rabinowitz[8] for a Mach number of 0.7.

Information concerning aerodynamically balanced control surfaces and tabs in incompressible flow can be found in References 1 and 4, and in the papers of Küssner and Schwarz[9] and Hofsommer[10].

If the control surface or the tab has been provided with a pressure-sealed balance, some of the aerodynamic coefficients have to be modified. These modifications can be found in the report by van de Vooren and Yff[11].

4. AERODYNAMIC COEFFICIENTS FOR SUPERSONIC FLOW (INCLUDING M = 1)

Table W 6 gives values of the coefficients

$$k_a \, , \quad k_b \, , \quad m_a \, , \quad m_b$$

for $M = 1$ and for several values of the reduced frequency ω.

Tables C 52, 59, 66, 73, 80, 87, 94, 101, 108 give values of the coefficients

$$k_c \, , \; m_c \, , \; n_a \, , \quad n_b \, , \quad n_c$$

for $M = 1$ and for several values of the reduced frequency ω and the chord ratio τ. The values have been taken from the tables of Nelson and Berman[12]. References 5 and 7 also contain results for wing coefficients for $M = 1$.

Tables W 7-16 give values of the coefficients

$$k_a \, , \quad k_b \, , \quad m_a \, , \quad m_b$$

for various supersonic Mach numbers and reduced frequencies ω. For $M = 1.05$ and $M = 1.1765$ the values have been taken from the tables of Jordan[5], while the values for the other Mach numbers have been calculated from the tables of Garrick and Rubinow[13].

Tables C 53 to 58, 60 to 65, 67 to 72, 74 to 79, 81 to 86, 88 to 93, 95 to 100, 102 to 107, 109 to 114 give values of the coefficients.

$$k_c \, , \; m_c \, , \; n_a \, , \quad n_b \, , \quad n_c$$

for various values of Mach number, reduced frequency ω and chord ratio τ. The values have been taken from the tables of Huckel and Durling[14].

Extensive tables, from which results for aerodynamically balanced control surfaces and for tabs can also be obtained easily, are given in the reports by Weber[15] and by Minhinnick and Woodcock[16]. These references contain results for more values of τ than are included in the present volume.

5. CONVERSION FORMULAE

5.1 Subsonic Flow (Including M = 0)

	NLL F 151 and 155 (Refs. 2 and 3)	RAE Structures 87 (Ref. 4)
k_a	$= -k_a$	
k_b	$= -k_b - \frac{1}{2}k_a$	
k_c	$= -k_c$	$= \frac{2}{\pi}(l_\beta + i\nu l_{\dot\beta} - \nu^2 l_{\ddot\beta})$
m_a	$= -m_a - \frac{1}{2}k_a$	
m_b	$= -m_b - \frac{1}{2}(k_b + m_a) - \frac{1}{4}k_a$	
m_c	$= -m_c - \frac{1}{2}k_c$	$= -\frac{4}{\pi}(m_\beta + i\nu m_{\dot\beta} - \nu^2 m_{\ddot\beta}) - \frac{1}{\pi}(l_\beta + i\nu l_{\dot\beta} - \nu^2 l_{\ddot\beta})$
n_a	$= -n_a$	$= -\frac{2}{\pi}(h_z + i\nu h_{\dot z} - \nu^2 h_{\ddot z})$
n_b	$= -n_b - \frac{1}{2}n_a$	$= \frac{1}{\pi}(h_z + i\nu h_{\dot z} - \nu^2 h_{\ddot z}) - \frac{4}{\pi}(h_\alpha + i\nu h_{\dot\alpha} - \nu^2 h_{\ddot\alpha})$
n_c	$= -n_c$	$= -\frac{4}{\pi}(h_\beta + i\nu h_{\dot\beta} - \nu^2 h_{\ddot\beta})$
τ	$= \tau$	$= E_\beta$
ω	$= \omega$	$= \frac{1}{2}\nu$

5.2 M = 1

	NACA TR 1128 (Ref. 12)
k_a	$= \frac{4}{\pi}k^2[L_1' + iL_2']$
k_b	$= \frac{4}{\pi}k^2[(L_3' - \frac{1}{2}L_1') + i(L_4' - \frac{1}{2}L_2')]$
k_c	$= \frac{4}{\pi}k^2[L_5' + iL_6']$
m_a	$= \frac{4}{\pi}k^2[(M_1' - \frac{1}{2}L_1') + i(M_2' - \frac{1}{2}L_2')]$
m_b	$= \frac{4}{\pi}k^2[M_3' - \frac{1}{2}M_1' - \frac{1}{2}L_3' + \frac{1}{4}L_1') + i(M_4' - \frac{1}{2}M_2' - \frac{1}{2}L_4' + \frac{1}{4}L_2')]$
m_c	$= \frac{4}{\pi}k^2[\{N_5' + 2(x_1 - \frac{1}{4})L_5'\} + \{N_6' + 2(x_1 - \frac{1}{4})L_6'\}]$
n_a	$= \frac{4}{\pi}k^2[N_1 + iN_2]$
n_b	$= \frac{4}{\pi}k^2[(N_3' - \frac{1}{2}N_1) + i(N_4' - \frac{1}{2}N_2)]$
n_c	$= \frac{4}{\pi}k^2[N_5' + iN_6']$
τ	$= 1 - x_1$
ω	$= \bar{k}$

5.3 Supersonic Flow

	NACA TR 846 and TN 2055 (Refs. 13 and 14)	R&M 2932 (Ref. 5)
k_a	$= \frac{4}{\pi} k^2 [L_1 + iL_2]$	$= \frac{1}{\pi} l_z$
k_b	$= \frac{4}{\pi} k^2 [(L_3' - \frac{1}{2}L_1) + i(L_4' - \frac{1}{2}L_2)]$	$= \frac{1}{\pi} (-\frac{1}{2} l_z + 2 l_\alpha)$
k_c	$= \frac{4}{\pi} k^2 [L_5 + iL_6]$	
m_a	$= \frac{4}{\pi} k^2 [(M_1' - \frac{1}{2}L_1) + i(M_2' - \frac{1}{2}L_2)]$	$= \frac{1}{\pi} (-2m_z - \frac{1}{2} l_z)$
m_b	$= \frac{4}{\pi} k^2 [(M_3' - \frac{1}{2}M_1' - \frac{1}{2}L_3' + \frac{1}{4}L_1) + i(M_4' - \frac{1}{2}M_2' - \frac{1}{2}L_4' + \frac{1}{4}L_2)]$	$= \frac{1}{\pi} (m_z + \frac{1}{4} l_z - 4m_\alpha - l_\alpha)$
m_c	$= \frac{4}{\pi} k^2 [\{N_5 + 2(x_1 - \frac{1}{4})L_5\} + i\{N_6 + 2(x_1 - \frac{1}{4})L_6\}]$	
n_a	$= \frac{4}{\pi} k^2 [N_1 + iN_2]$	
n_b	$= \frac{4}{\pi} k^2 [(N_3' - \frac{1}{2}N_1) + i(N_4' - \frac{1}{2}N_2)]$	
n_c	$= \frac{4}{\pi} k^2 [N_5 + iN_6]$	
τ	$= 1 - x_1$	
ω	$= k$	$= \frac{1}{2}\nu$

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7. GRAPHS OF COEFFICIENTS

Figs.1-2	Wing Coefficients (Subsonic)
Figs.3-4	Wing Coefficients (Supersonic)
Figs.5-9	Control Surface Coefficients (Subsonic)
Figs.10-14	Control Surface Coefficients (Supersonic)

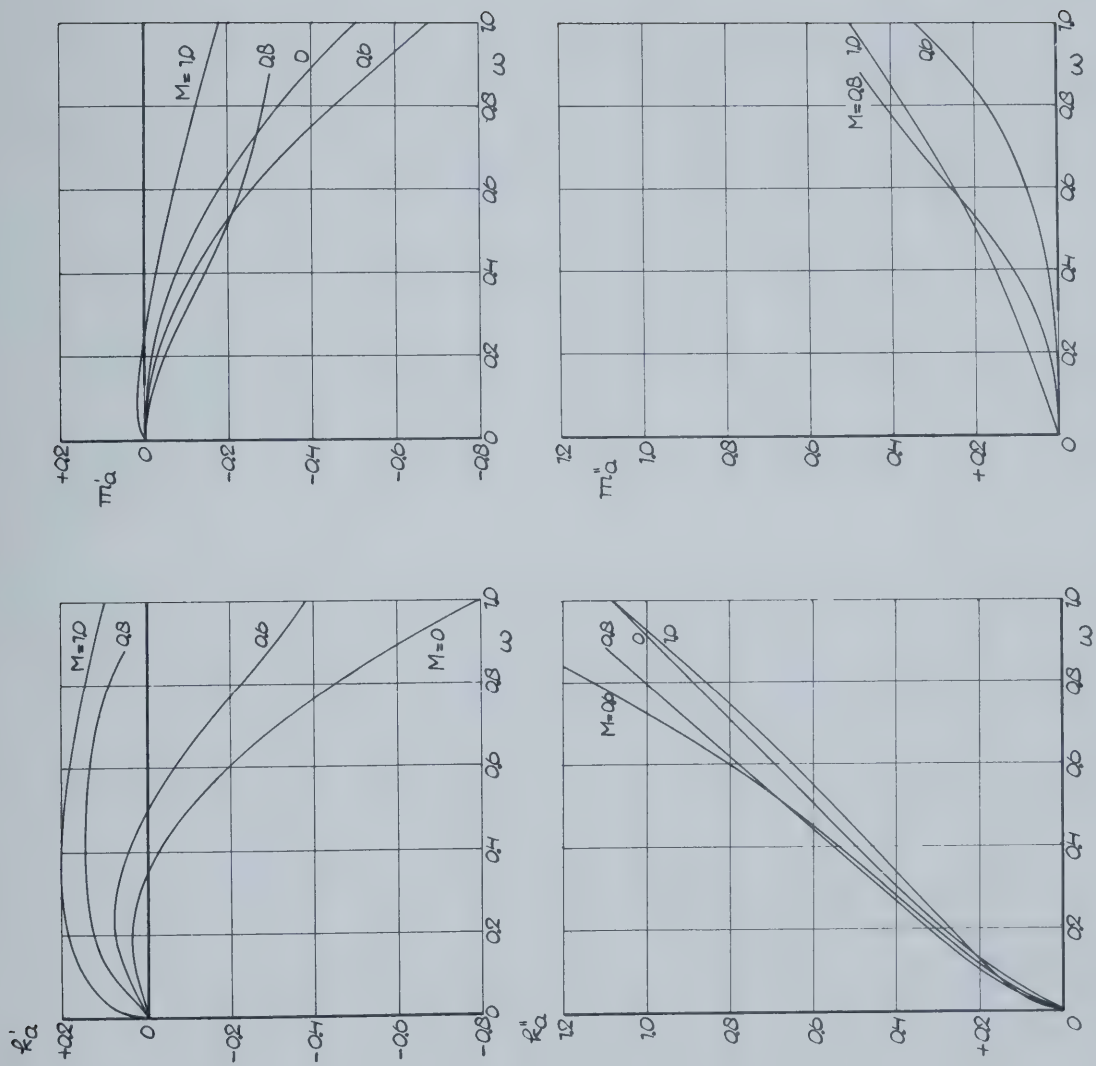
M=1.0
0.8
0
0.6
M=0.8
1.0
0.6
M=1.0
0.8
0.6
M=0
M=0.6
0.8
0
1.0
+0.2
0
-0.2
-0.4
-0.6
-0.8
1.2
0.2
0.4
0.6
0.8
1.0
ω
m'a
m"a
k'a
k"a

Fig. 1

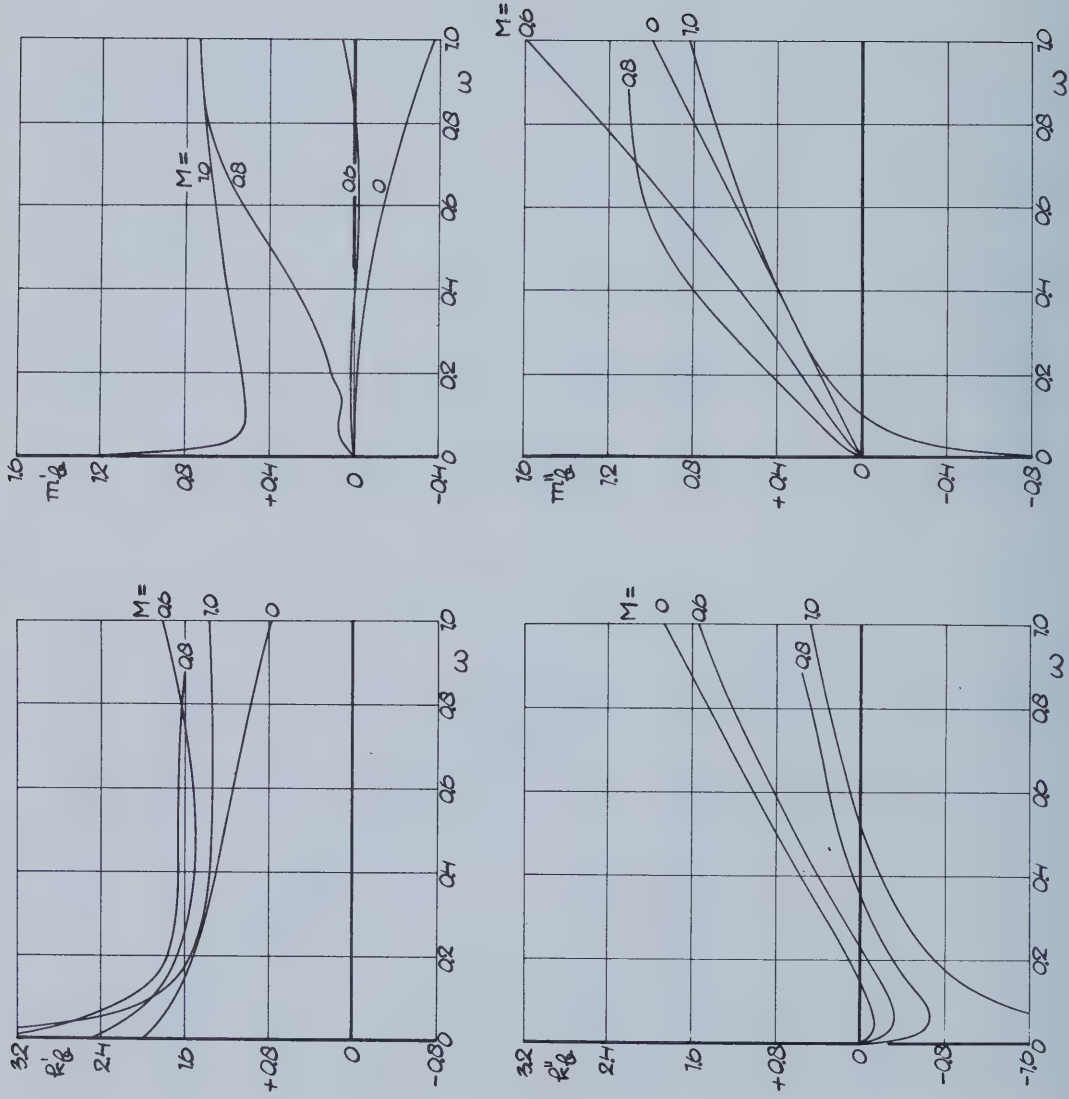

Fig. 2

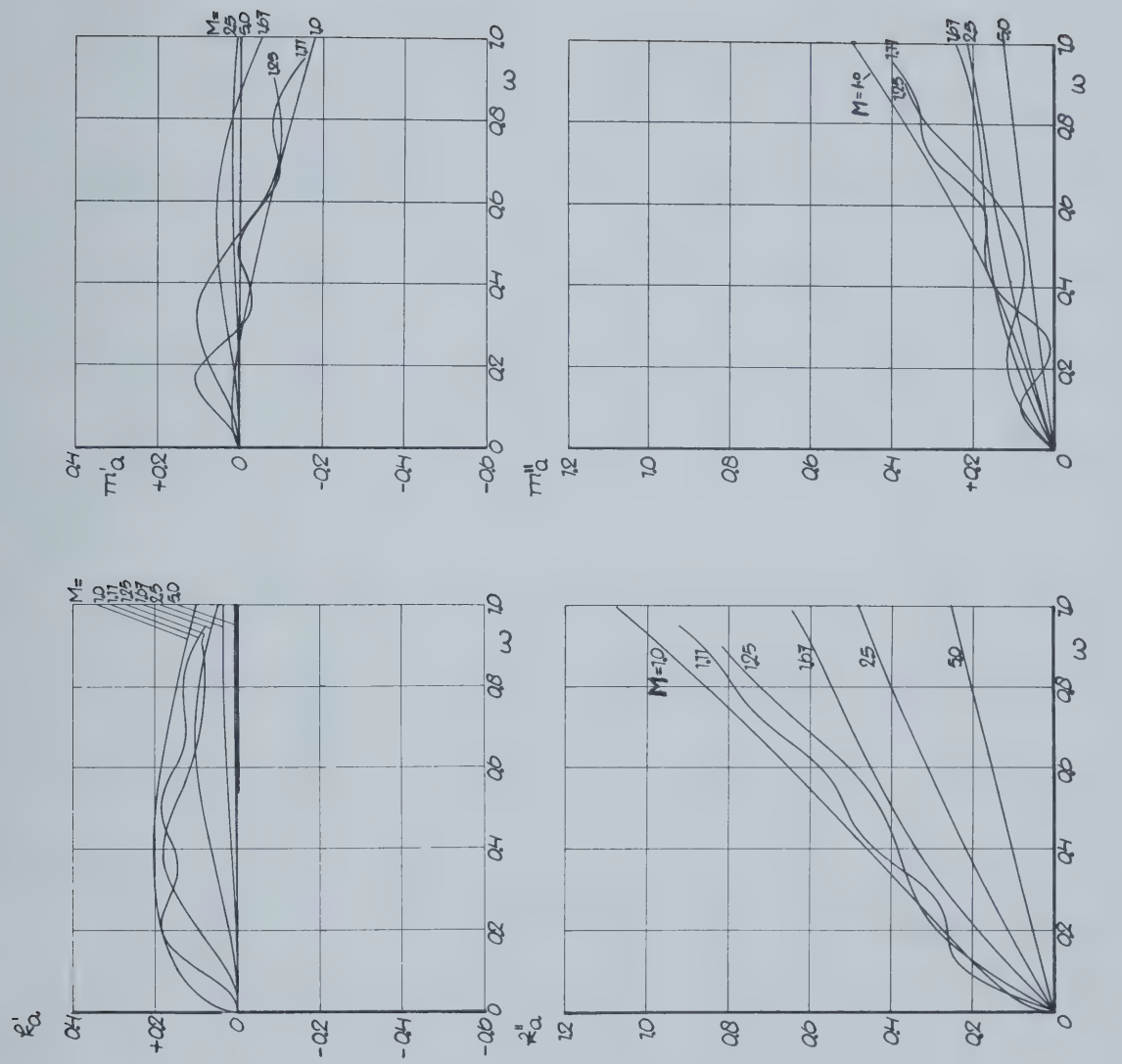
M=
2.5
5.0
1.67
1.25
1.11
1.0
M=1.0
1.11
1.25
1.67
2.5
5.0
π'_a
π''_a
k'_a
k''_a
0.4
+0.2
0
-0.2
-0.4
-0.6
1.2
1.0
0.8
0.6
0.4
0.2
0
0.2
0.4
0.6
0.8
1.0
3

Fig. 3

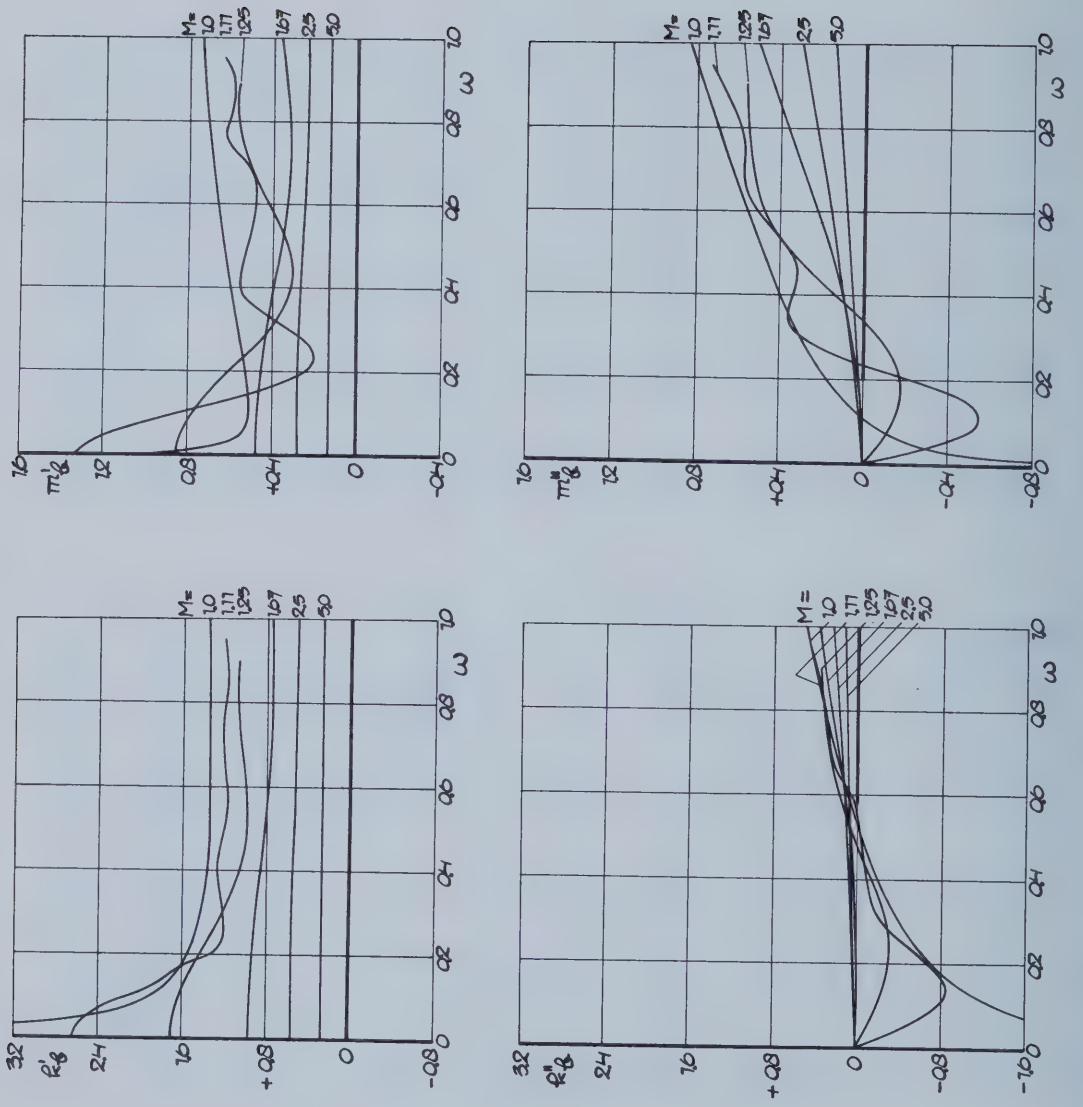

Fig. 4

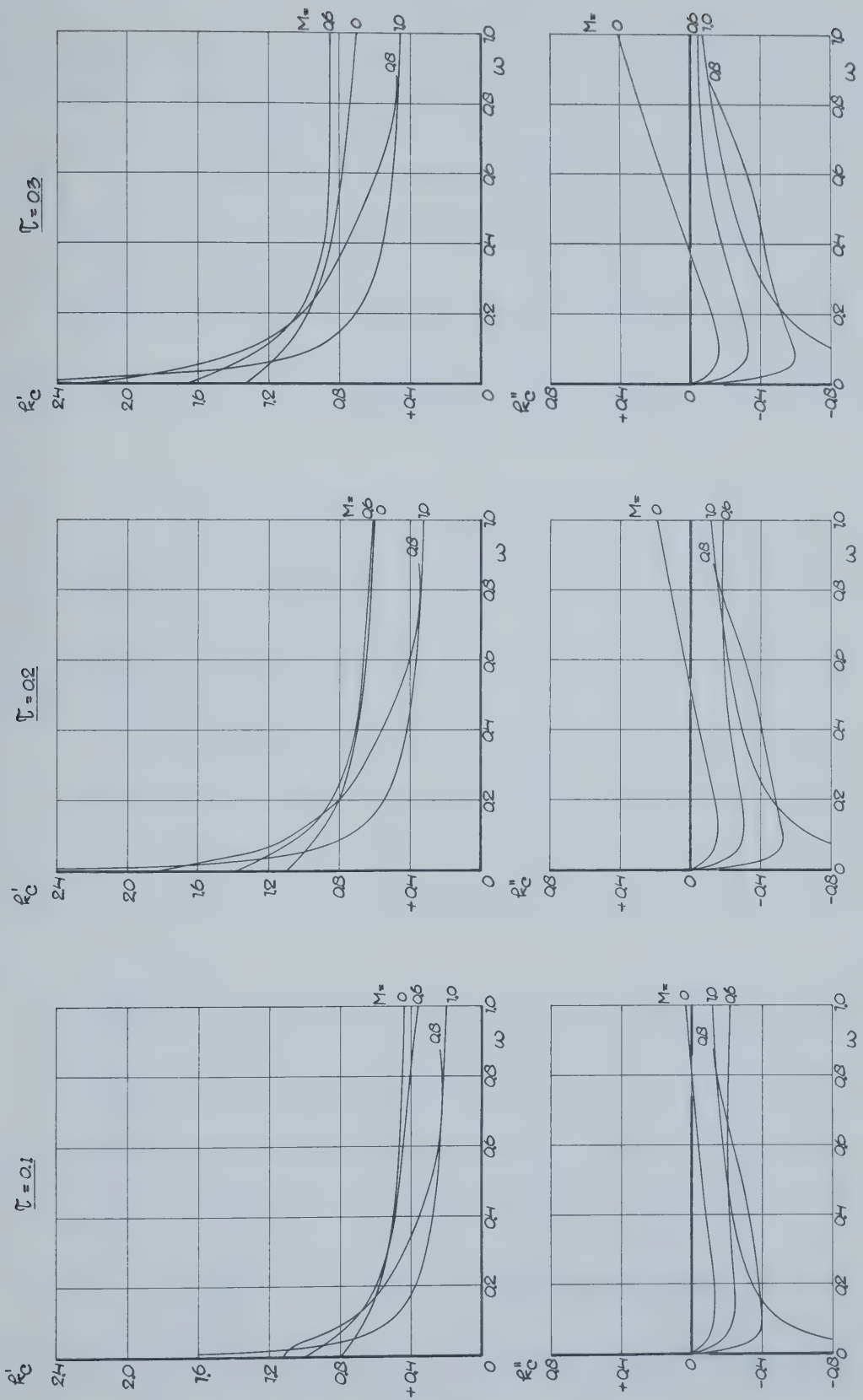
τ = 0.3
τ = 0.2
τ = 0.1
M = 0
0.6
0.8
1.0
k'_c
k''_c
2.4
2.0
1.6
1.2
0.8
0.4
0
+0.4
-0.4
-0.8
0.2
0.4
0.6
0.8
1.0
3

Fig. 5

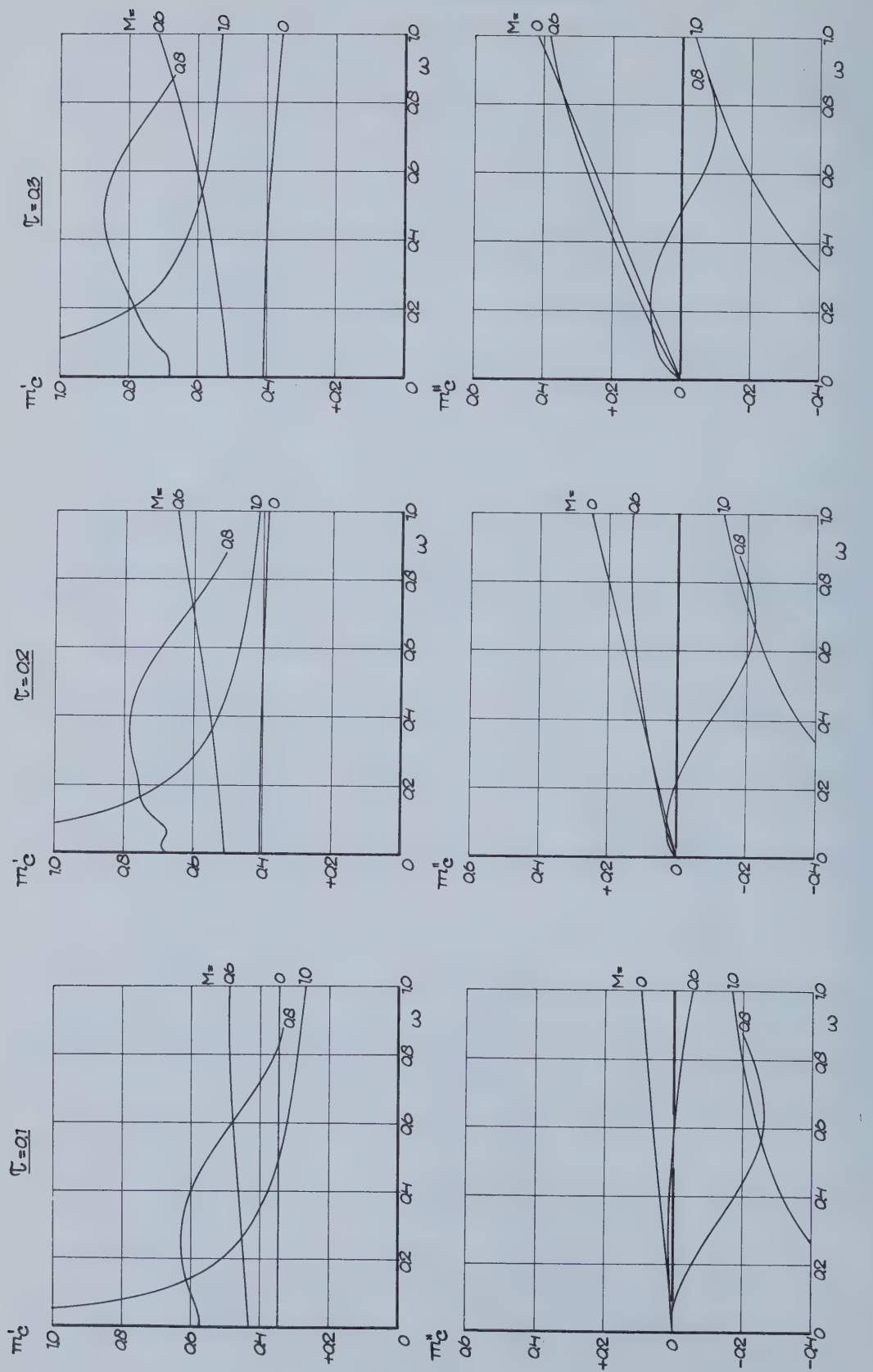

Fig.6

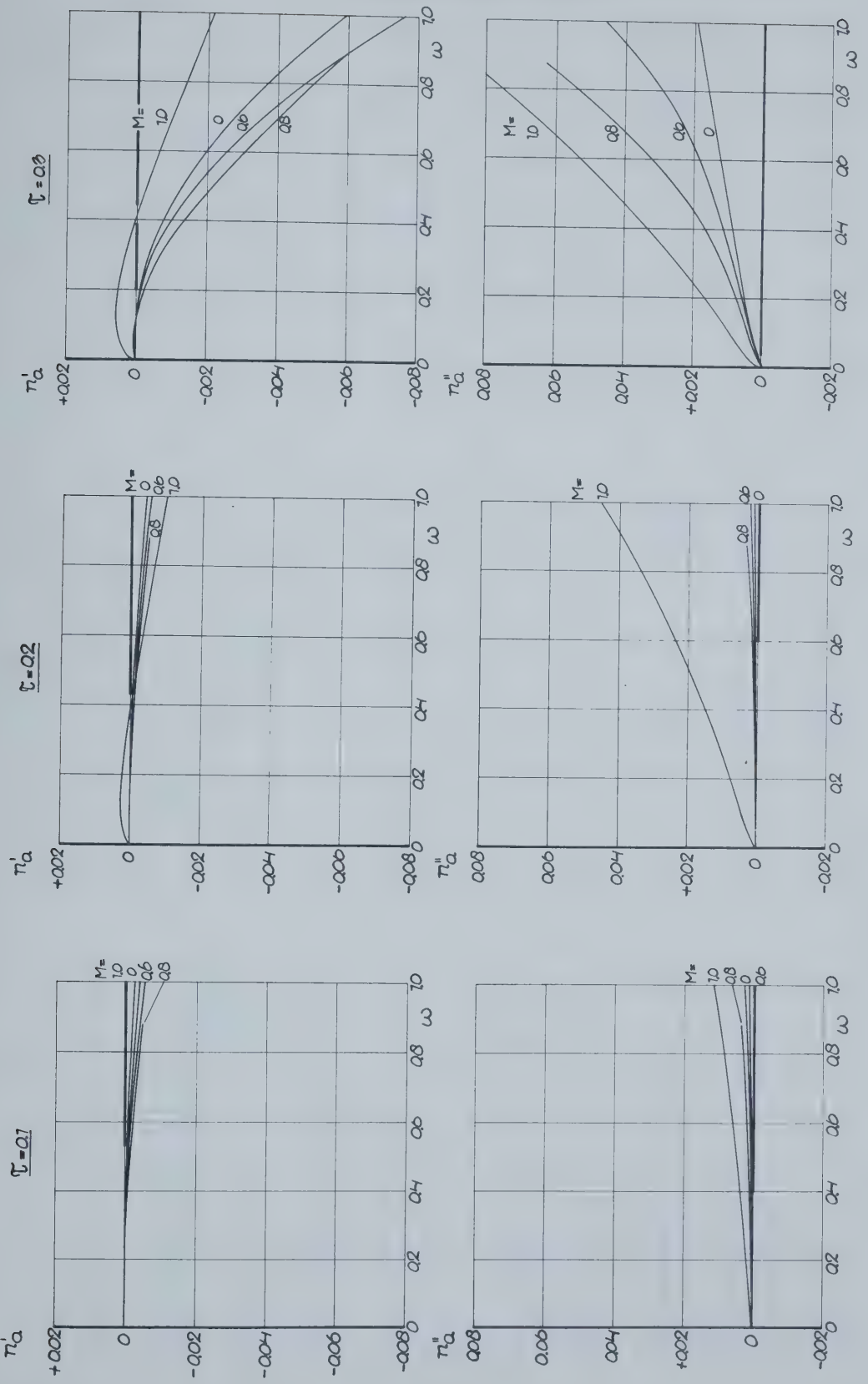
τ=0·3
τ=0·2
τ=0·1
M=
1·0
0·8
0·6
0
ω
π'a
π''a
+0·02
0
-0·02
-0·04
-0·06
-0·08
0·08
0·06
0·04
0·02
0·2
0·4
0·6
0·8
1·0

Fig. 7

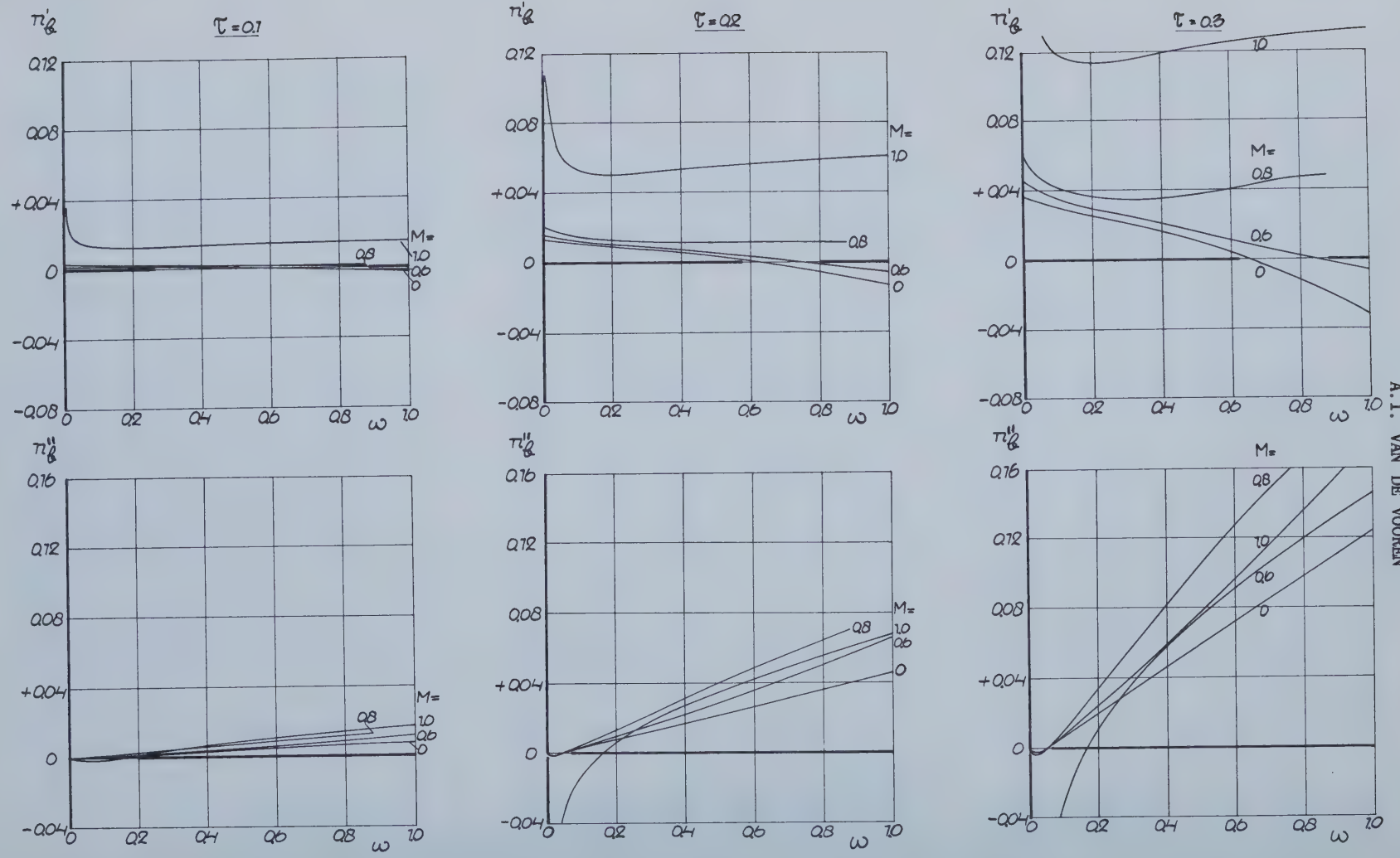

Fig. 8

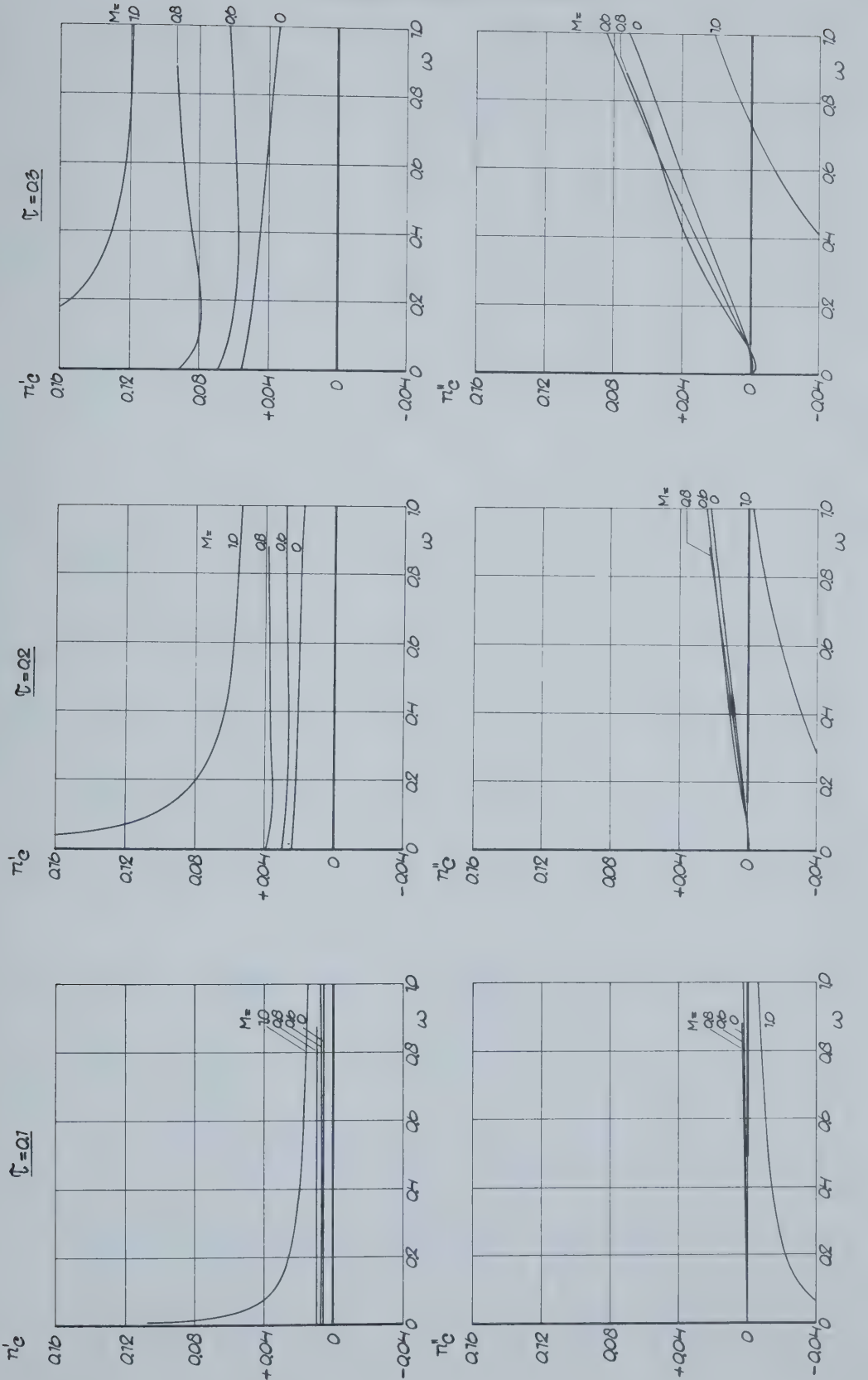

Fig. 9

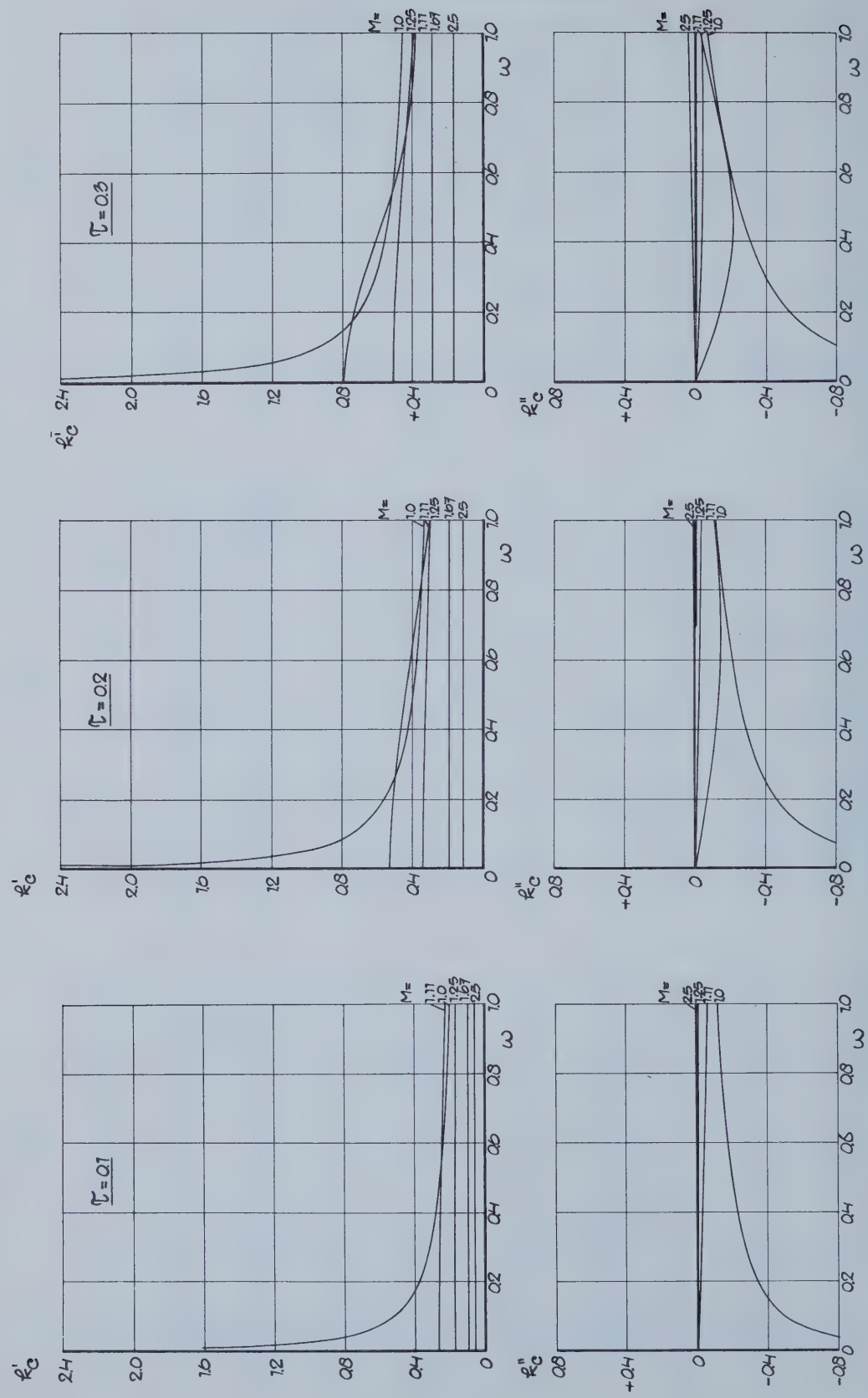
τ = 0.3
τ = 0.2
τ = 0.1
M=
1.0
1.25
1.11
1.67
2.5
k'_c
k''_c
0
0.2
0.4
0.6
0.8
1.0
1.2
1.6
2.0
2.4
+0.4
-0.4
-0.8

Fig. 10

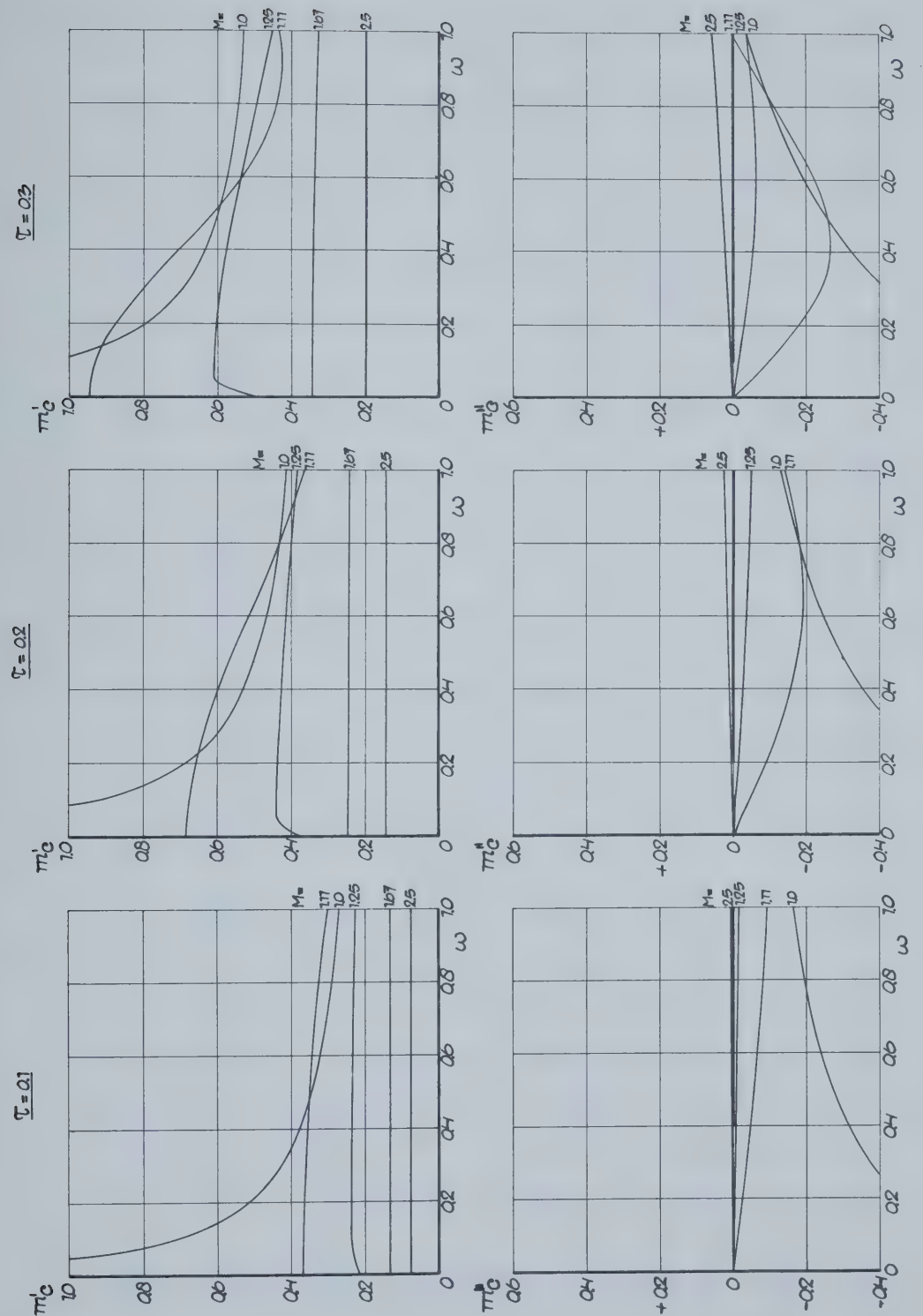

Fig. 11

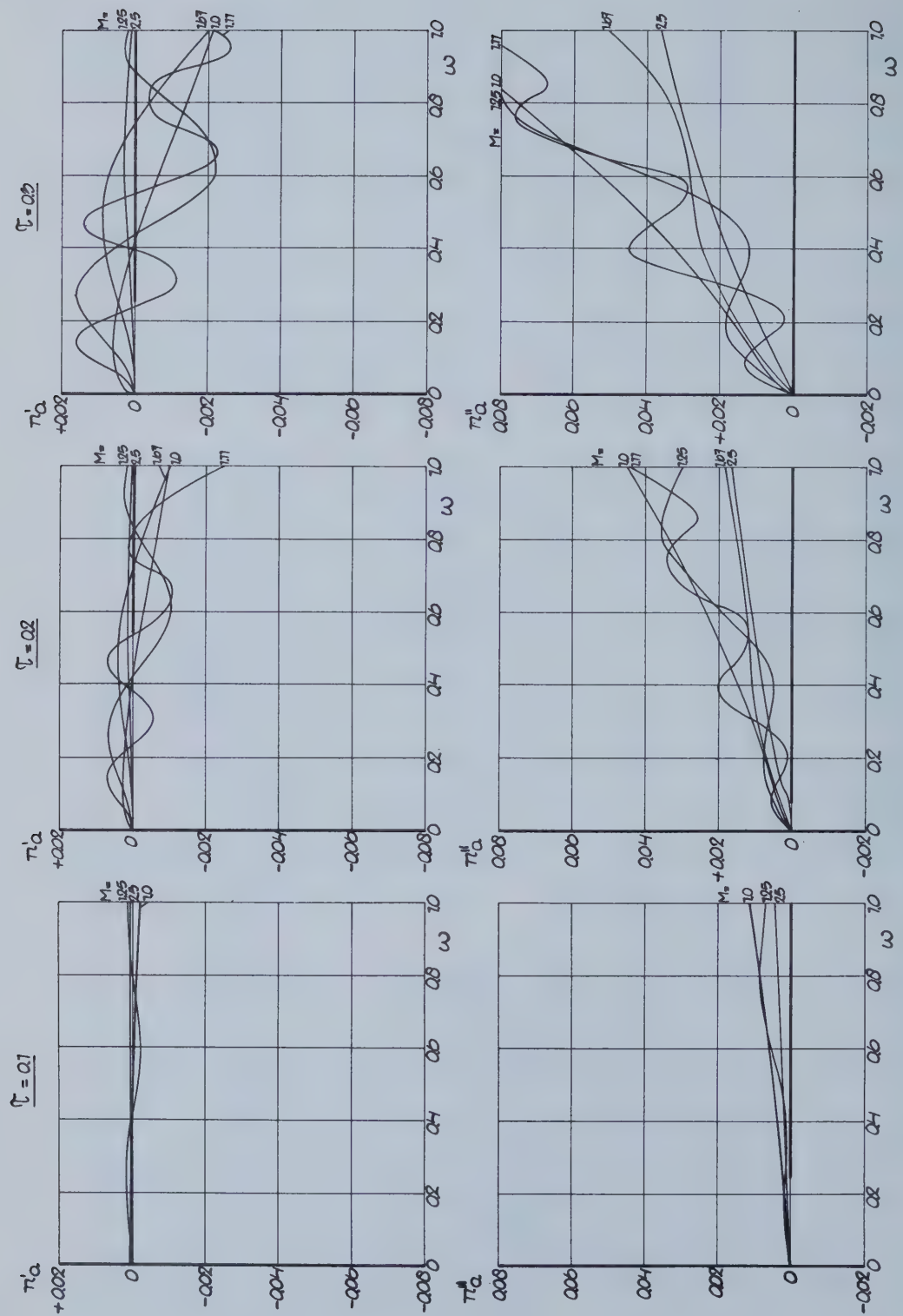
τ = 0.3
τ = 0.2
τ = 0.1
M=
1.25
2.5
1.67
1.0
1.17
x/c
0
0.2
0.4
0.6
0.8
1.0
+0.002
-0.002
-0.004
-0.006
-0.008
0.008
0.006
0.004
0.002

Fig. 12

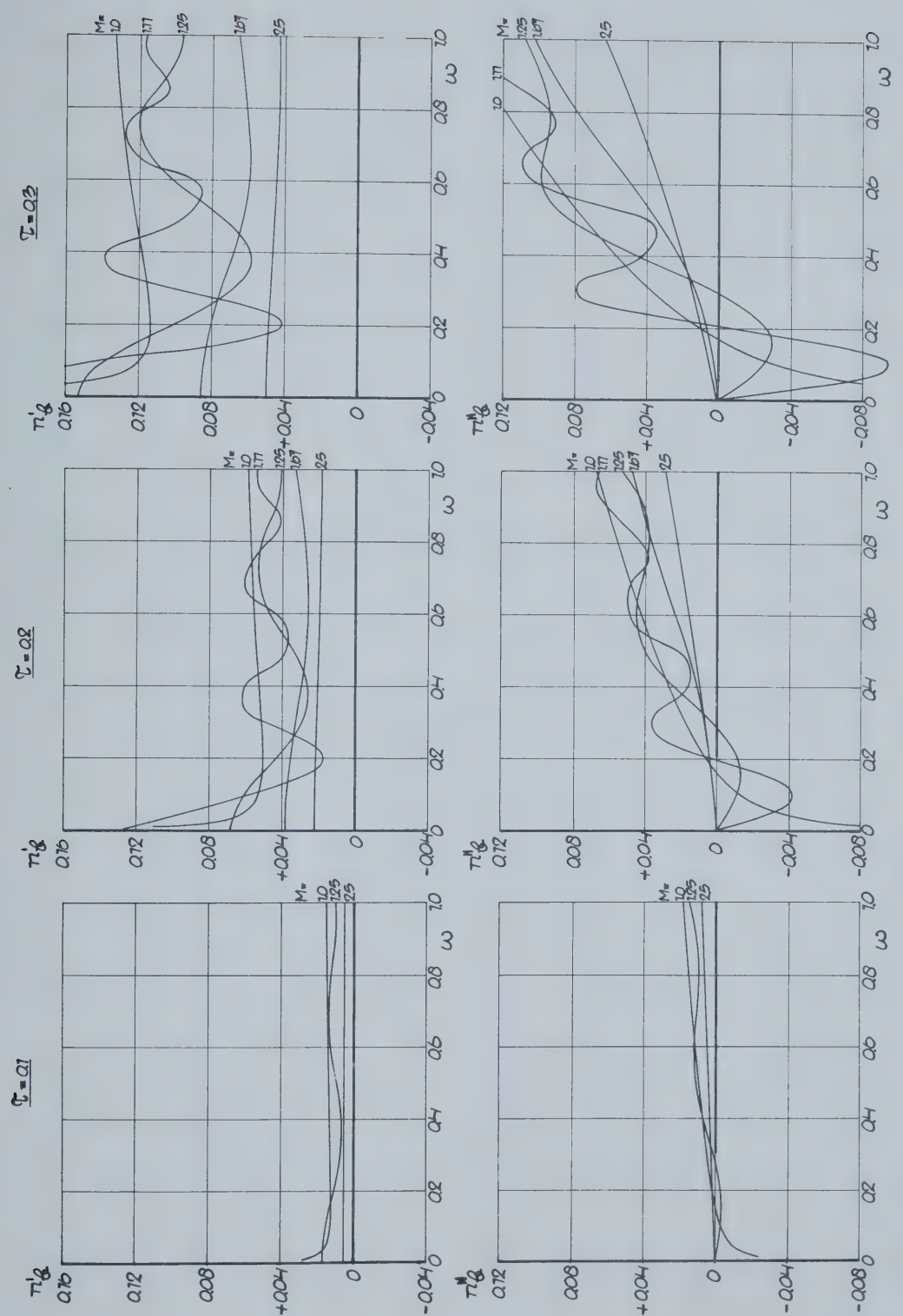

Fig. 13

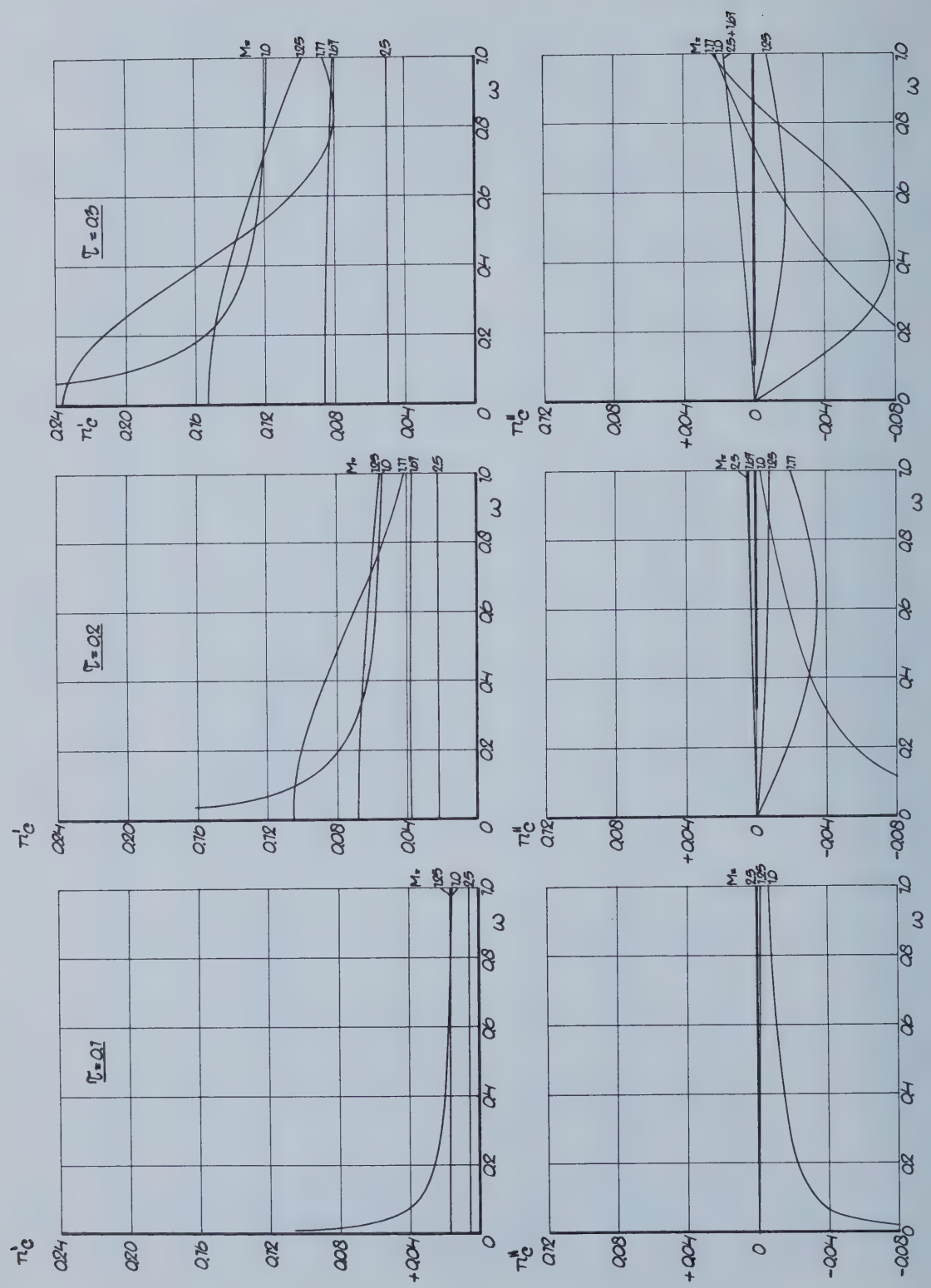
τ = 0.5
τ = 0.2
τ = 0.1
M∞
1.0
1.25
1.77
1.67
2.5
ω
0
0.2
0.4
0.6
0.8
1.0
0.24
0.20
0.16
0.12
0.08
0.04
+0.04
-0.04
-0.08

Fig. 14

8. TABLES OF COEFFICIENTS

		Pages
Tables W1-W5.	Wing Coefficients (Subsonic)	26-30
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Tables C1-C51.	Control Surface Coefficients for Values of Chord Ratio τ and of M (Subsonic)	42-75
Tables C52-C114.	Control Surface Coefficients for Values of Chord Ratio τ and of M (Supersonic, including M = 1)	76-138

TABLE W1. M = 0

ω	k'_a	k''_a	k'_b	k''_b	m'_a	m''_a	m'_b	m''_b
0	0	0	2.0000	0	0	0	0	0
0.02	0.0026	0.0385	1.9303	-0.0919	-0.0002	0	-0.0001	0.0200
0.04	0.0077	0.0741	1.8618	-0.1178	-0.0007	0	-0.0006	0.0400
0.06	0.0135	0.1071	1.7993	-0.1182	-0.0018	0	-0.0014	0.0600
0.08	0.0193	0.1377	1.7433	-0.1032	-0.0031	0	-0.0024	0.0800
0.10	0.0245	0.1664	1.6933	-0.0782	-0.0049	0	-0.0037	0.1000
0.12	0.0288	0.1935	1.6487	-0.0466	-0.0072	0	-0.0054	0.1200
0.14	0.0322	0.2193	1.6087	-0.0104	-0.0098	0	-0.0074	0.1400
0.16	0.0344	0.2441	1.5728	0.0289	-0.0128	0	-0.0096	0.1600
0.18	0.0355	0.2679	1.5403	0.0705	-0.0162	0	-0.0122	0.1800
0.20	0.0355	0.2910	1.5107	0.1138	-0.0199	0	-0.0149	0.2000
0.22	0.0342	0.3135	1.4834	0.1580	-0.0242	0	-0.0181	0.2200
0,24	0.0318	0.3355	1.4584	0.2031	-0.0288	0	-0.0216	0.2400
0.26	0.0282	0.3570	1.4350	0.2486	-0.0338	0	-0.0253	0.2600
0.28	0.0235	0.3781	1.4132	0.2944	-0.0391	0	-0.0294	0.2800
0.30	0.0176	0.3990	1.3925	0.3404	-0.0450	0	-0.0337	0.3000
0.32	0.0106	0.4196	1.3730	0.3864	-0.0512	0	-0.0383	0.3200
0.34	0.0026	0.4399	1.3543	0.4324	-0.0578	0	-0.0433	0.3400
0.36	-0.0066	0.4601	1.3363	0.4783	-0.0648	0	-0.0486	0.3600
0.38	-0.0168	0.4801	1.3189	0.5242	-0.0722	0	-0.0542	0.3800
0.40	-0.0280	0.5000	1.3020	0.5700	-0.0800	0	-0.0600	0.4000
0.42	-0.0403	0.5197	1.2853	0.6156	-0.0882	0	-0.0662	0.4200
0.44	-0.0535	0.5394	1.2691	0.6611	-0.0967	0	-0.0726	0.4400
0.46	-0.0678	0.5590	1.2532	0.7064	-0.1058	0	-0.0793	0.4600
0.48	-0.0831	0.5785	1.2373	0.7515	-0.1152	0	-0.0864	0.4800
0.50	-0.0993	0.5979	1.2215	0.7965	-0.1250	0	-0.0938	0.5000
0.52	-0.1165	0.6173	1.2059	0.8414	-0.1352	0	-0.1015	0.5200
0.54	-0.1346	0.6367	1.1902	0.8859	-0.1458	0	-0.1094	0.5400
0.56	-0.1537	0.6560	1.1745	0.9305	-0.1567	0	-0.1176	0.5600
0.58	-0.1737	0.6753	1.1587	0.9748	-0.1681	0	-0.1262	0.5800
0.60	-0.1947	0.6946	1.1428	1.0190	-0.1800	0	-0.1351	0.6000
0.64	-0.2393	0.7330	1.1108	1.1069	-0.2049	0	-0.1537	0.6400
0.68	-0.2875	0.7715	1.0781	1.1943	-0.2312	0	-0.1734	0.6800
0.72	-0.3394	0.8099	1.0446	1.2813	-0.2592	0	-0.1944	0.7200
0.76	-0.3947	0.8482	1.0101	1.3676	-0.2887	0	-0.2166	0.7600
0.80	-0.4536	0.8866	0,9747	1.4536	-0.3200	0	-0.2400	0.8000
0.84	-0.5159	0.9250	0.9381	1.5392	-0.3527	0	-0.2645	0.8400
0.88	-0.5817	0.9635	0.9003	1.6245	-0.3872	0	-0.2904	0.8800
0.92	-0.6509	1.0019	0.8614	1.7093	-0.4233	0	-0.3174	0.9200
0.96	-0.7235	1.0404	0.8211	1.7940	-0.4609	0	-0.3456	0.9600
1.00	-0.7995	1.0789	0.7795	1.8785	-0.5001	0	-0.3750	1.0000

TABLE W2. M = 0.5

ω	k'_a	k''_a	k'_b	k''_b	m'_a	m''_a	m'_b	m''_b
0	0	0	2.309	0	0	0	0	0
0.02	0.0042	0.0439	2.198	-0.167	-0.0003	0.0000	-0.006	0.033
0.04	0.0124	0.0832	2.092	-0.244	-0.0009	0.0002	0.001	0.049
0.06	0.0218	0.1185	1.999	-0.246	-0.0020	0.0003	0.005	0.079
0.08	0.0311	0.1506	1.917	-0.239	-0.0037	0.0006	0.006	0.101
0.10	0.0395	0.1801	1.846	-0.216	-0.0061	0.0008	0.005	0.124
0.12	0.0464	0.2075	1.785	-0.180	-0.0094	0.0011	0.003	0.151
0.14	0.0518	0.2335	1.733	-0.138	-0.0132	0.0015	0.001	0.177
0.16	0.0555	0.2582	1.687	-0.091	-0.0176	0.0019	-0.001	0.204
0.18	0.0580	0.2821	1.648	-0.043	-0.0227	0.0024	-0.003	0.230
0.20	0.0597	0.3055	1.615	0.004	-0.0277	0.0031	-0.004	0.248
0.22	0.0607	0.3284	1.5863	0.0485	-0.0331	0.0039	-0.0042	0.2783
0.24	0.0610	0.3509	1.5617	0.0921	-0.0386	0.0046	-0.0056	0.3033
0.26	0.0601	0.3732	1.5404	0.1366	-0.0447	0.0056	-0.0077	0.3284
0.28	0.0577	0.3954	1.5215	0.1827	-0.0514	0.0066	-0.0105	0.3535
0.30	0.0538	0.4175	1.5045	0.2304	-0.0589	0.0077	-0.0143	0.3789
0.32	0.0487	0.4396	1.4892	0.2783	-0.0669	0.0090	-0.0184	0.4044
0.34	0.0427	0.4616	1.4756	0.3257	-0.0753	0.0103	-0.0223	0.4301
0.36	0.0359	0.4837	1.4638	0.3724	-0.0842	0.0116	-0.0258	0.4557
0.38	0.0280	0.5059	1.4531	0.4189	-0.0938	0.0131	-0.0293	0.4818
0.40	0.0194	0.5284	1.4441	0.4652	-0.1036	0.0148	-0.0326	0.5079
0.42	0.0098	0.5512	1.4362	0.5112	-0.1141	0.0166	-0.0364	0.5343
0.44	-0.0007	0.5741	1.4291	0.5572	-0.1251	0.0184	-0.0409	0.5609
0.46	-0.0120	0.5974	1.4231	0.6029	-0.1365	0.0206	-0.0456	0.5877
0.48	-0.0242	0.6209	1.4178	0.6487	-0.1484	0.0227	-0.0503	0.6146
0.50	-0.0374	0.6448	1.4132	0.6944	-0.1611	0.0252	-0.0553	0.6419
0.52	-0.0514	0.6690	1.4094	0.7401	-0.1743	0.0278	-0.0603	0.6694
0.54	-0.0662	0.6936	1.4062	0.7856	-0.1879	0.0306	-0.0654	0.6971
0.56	-0.0819	0.7186	1.4036	0.8312	-0.2021	0.0336	-0.0706	0.7252
0.58	-0.0982	0.7441	1.4016	0.8765	-0.2170	0.0368	-0.0761	0.7535
0.60	-0.1152	0.7700	1.4004	0.9217	-0.2323	0.0402	-0.0815	0.7818
0.64	-0.1515	0.8234	1.3996	1.0122	-0.2645	0.0479	-0.0928	0.8398
0.68	-0.1906	0.8788	1.4008	1.1024	-0.2990	0.0567	-0.1045	0.8988
0.72	-0.2323	0.9365	1.4043	1.1926	-0.3359	0.0666	-0.1161	0.9591
0.76	-0.2766	0.9968	1.4097	1.2826	-0.3747	0.0781	-0.1279	1.0205
0.80	-0.3232	1.0597	1.4174	1.3727	-0.4160	0.0909	-0.1397	1.0833
0.84	-0.3720	1.1254	1.4272	1.4628	-0.4594	0.1055	-0.1513	1.1474
0.88	-0.4227	1.1943	1.4394	1.5528	-0.5048	0.1218	-0.1625	1.2127
0.92	-0.4750	1.2666	1.4539	1.6425	-0.5523	0.1403	-0.1732	1.2793
0.96	-0.5286	1.3420	1.4709	1.7317	-0.6017	0.1609	-0.1833	1.3472
1.00	-0.5837	1.4199	1.4892	1.8204	-0.6530	0.1832	-0.1931	1.4161

TABLE W3. M = 0.6

ω	k'_a	k''_a	k'_b	k''_b	m'_a	m''_a	m'_b	m''_b
0	0	0	2.500	0	0	0	0	0
0.02	0.0053	0.0470	2.357	-0.217	-0.0003	0.0000	0.001	0.034
0.04	0.0154	0.0882	2.222	-0.296	-0.0010	0.0002	0.007	0.062
0.06	0.0266	0.1245	2.103	-0.320	-0.0026	0.0005	0.009	0.089
0.08	0.0373	0.1569	2.004	-0.311	-0.0051	0.0009	0.009	0.117
0.10	0.0467	0.1864	1.919	-0.282	-0.0082	0.0013	0.008	0.146
0.12	0.0545	0.2138	1.848	-0.242	-0.0120	0.0019	0.008	0.176
0.14	0.0612	0.2397	1.790	-0.200	-0.0163	0.0026	0.008	0.204
0.16	0.0671	0.2646	1.742	-0.159	-0.0207	0.0036	0.010	0.231
0.18	0.0719	0.2887	1.701	-0.116	-0.0254	0.0047	0.011	0.258
0.20	0.0751	0.3122	1.667	-0.070	-0.0309	0.0060	0.010	0.287
0.22	0.0767	0.3351	1.6373	-0.0206	-0.0371	0.0072	0.0086	0.3151
0.24	0.0770	0.3578	1.6120	0.0283	-0.0440	0.0087	0.0073	0.3430
0.26	0.0763	0.3804	1.5905	0.0764	-0.0512	0.0104	0.0065	0.3714
0.28	0.0748	0.4029	1.5726	0.1236	-0.0589	0.0121	0.0060	0.3997
0.30	0.0722	0.4255	1.5576	0.1706	-0.0671	0.0142	0.0053	0.4284
0.32	0.0685	0.4481	1.5447	0.2175	-0.0759	0.0163	0.0037	0.4571
0.34	0.0639	0.4709	1.5344	0.2642	-0.0853	0.0186	0.0020	0.4861
0.36	0.0584	0.4939	1.5256	0.3105	-0.0953	0.0212	0.0004	0.5155
0.38	0.0519	0.5172	1.5187	0.3566	-0.1058	0.0241	-0.0010	0.5451
0.40	0.0447	0.5407	1.5134	0.4020	-0.1169	0.0269	-0.0026	0.5749
0.42	0.0366	0.5646	1.5096	0.4472	-0.1286	0.0303	-0.0042	0.6051
0.44	0.0279	0.5889	1.5070	0.4917	-0.1407	0.0337	-0.0058	0.6355
0.46	0.0183	0.6136	1.5058	0.5361	-0.1535	0.0377	-0.0075	0.6664
0.48	0.0081	0.6388	1.5059	0.5801	-0.1668	0.0419	-0.0088	0.6974
0.50	-0.0028	0.6645	1.5070	0.6237	-0.1808	0.0464	-0.0102	0.7289
0.52	-0.0143	0.6907	1.5092	0.6668	-0.1952	0.0513	-0.0114	0.7605
0.54	-0.0264	0.7174	1.5124	0.7096	-0.2103	0.0566	-0.0126	0.7926
0.56	-0.0390	0.7447	1.5168	0.7520	-0.2259	0.0623	-0.0134	0.8250
0.58	-0.0521	0.7726	1.5220	0.7940	-0.2420	0.0685	-0.0143	0.8577
0.60	-0.0658	0.8011	1.5281	0.8355	-0.2586	0.0751	-0.0147	0.8907
0.64	-0.0942	0.8599	1.5428	0.9174	-0.2935	0.0896	-0.0150	0.9576
0.68	-0.1245	0.9214	1.5609	0.9977	-0.3305	0.1064	-0.0141	1.0256
0.72	-0.1555	0.9857	1.5826	1.0761	-0.3693	0.1255	-0.0115	1.0948
0.76	-0.1875	1.0529	1.6077	1.1524	-0.4098	0.1473	-0.0073	1.1648
0.80	-0.2201	1.1231	1.6355	1.2266	-0.4517	0.1716	-0.0013	1.2356
0.84	-0.2528	1.1962	1.6665	1.2981	-0.4952	0.1990	0.0068	1.3069
0.88	-0.2852	1.2722	1.7002	1.3668	-0.5397	0.2295	0.0170	1.3785
0.92	-0.3170	1.3511	1.7365	1.4324	-0.5849	0.2632	0.0297	1.4502
0.96	-0.3479	1.4325	1.7749	1.4947	-0.6306	0.3001	0.0447	1.5216
1.00	-0.3773	1.5164	1.8155	1.5532	-0.6765	0.3405	0.0623	1.5923

TABLE W4. M = 0.7

ω	k'_a	k''_a	k'_b	k''_b	m'_a	m''_a	m'_b	m''_b
0	0	0	2.801	0	0	0	0	0
0.02	0.0072	0.0516	2.586	-0.308	-0.0008	0.0001	0.002	0.040
0.04	0.0199	0.0949	2.395	-0.404	-0.0023	0.0001	0.009	0.082
0.06	0.0339	0.1321	2.240	-0.434	-0.0043	0.0005	0.014	0.115
0.08	0.0470	0.1649	2.115	-0.424	-0.0071	0.0015	0.020	0.148
0.10	0.0588	0.1944	2.013	-0.396	-0.0107	0.0027	0.022	0.181
0.12	0.0688	0.2217	1.931	-0.356	-0.0149	0.0042	0.024	0.210
0.14	0.0771	0.2473	1.864	-0.309	-0.0197	0.0056	0.025	0.243
0.16	0.0842	0.2719	1.808	-0.262	-0.0251	0.0073	0.029	0.274
0.18	0.0901	0.2956	1.763	-0.214	-0.0309	0.0092	0.032	0.306
0.20	0.0945	0.3189	1.726	-0.166	-0.0373	0.0114	0.036	0.340
0.22	0.0975	0.3419	1.6961	-0.1154	-0.0444	0.0141	0.0391	0.3727
0.24	0.0993	0.3648	1.6713	-0.0660	-0.0521	0.0169	0.0413	0.4052
0.26	0.1001	0.3875	1.6510	-0.0174	-0.0604	0.0198	0.0437	0.4381
0.28	0.0999	0.4104	1.6349	0.0303	-0.0693	0.0233	0.0465	0.4712
0.30	0.0989	0.4334	1.6223	0.0765	-0.0787	0.0271	0.0497	0.5043
0.32	0.0970	0.4566	1.6127	0.1223	-0.0888	0.0311	0.0530	0.5379
0.34	0.0944	0.4801	1.6058	0.1668	-0.0993	0.0356	0.0562	0.5717
0.36	0.0910	0.5039	1.6012	0.2104	-0.1105	0.0406	0.0599	0.6059
0.38	0.0871	0.5280	1.5989	0.2528	-0.1221	0.0461	0.0648	0.6402
0.40	0.0826	0.5526	1.5984	0.2943	-0.1343	0.0518	0.0696	0.6747
0.42	0.0775	0.5776	1.5997	0.3349	-0.1470	0.0582	0.0749	0.7096
0.44	0.0719	0.6030	1.6027	0.3745	-0.1603	0.0651	0.0807	0.7447
0.46	0.0659	0.6289	1.6071	0.4128	-0.1742	0.0727	0.0870	0.7800
0.48	0.0596	0.6553	1.6131	0.4500	-0.1883	0.0810	0.0941	0.8153
0.50	0.0531	0.6822	1.6204	0.4862	-0.2027	0.0899	0.1020	0.8507
0.52	0.0462	0.7096	1.6286	0.5213	-0.2178	0.0994	0.1104	0.8861
0.54	0.0393	0.7375	1.6382	0.5551	-0.2331	0.1095	0.1199	0.9216
0.56	0.0324	0.7659	1.6487	0.5877	-0.2485	0.1203	0.1301	0.9567
0.58	0.0254	0.7948	1.6601	0.6191	-0.2643	0.1320	0.1411	0.9918
0.60	0.0183	0.8242	1.6722	0.6496	-0.2803	0.1446	0.1531	1.0267
0.64	0.0040	0.8842	1.6984	0.7064	-0.3129	0.1719	0.1793	1.0956
0.68	-0.0099	0.9457	1.7265	0.7578	-0.3456	0.2025	0.2089	1.1624
0.72	-0.0230	1.0085	1.7559	0.8041	-0.3782	0.2362	0.2418	1.2269
0.76	-0.0353	1.0724	1.7856	0.8453	-0.4099	0.2735	0.2776	1.2884
0.80	-0.0465	1.1368	1.8150	0.8817	-0.4406	0.3132	0.3159	1.3464
0.84	-0.0566	1.2014	1.8432	0.9132	-0.4696	0.3556	0.3562	1.4003
0.88	-0.0656	1.2658	1.8695	0.9403	-0.4967	0.4001	0.3980	1.4496
0.92	-0.0739	1.3296	1.8929	0.9634	-0.5216	0.4465	0.4402	1.4945
0.96	-0.0814	1.3921	1.9132	0.9823	-0.5444	0.4945	0.4820	1.5342
1.00	-0.0883	1.4533	1.9296	0.9985	-0.5646	0.5430	0.5231	1.5692

TABLE W5. M = 0.8

ω	k'_a	k''_a	k'_b	k''_b	m'_a	m''_a	m'_b	m''_b
0	0	0	3.33	0	0	0	0	0
0.02	0.0101	0.0594	2.99	-0.51	-0.0007	0.0000	0.02	0.06
0.04	0.0272	0.1057	2.68	-0.64	-0.0029	0.0008	0.05	0.12
0.06	0.0454	0.1431	2.45	-0.66	-0.0060	0.0021	0.07	0.16
0.08	0.0629	0.1748	2.27	-0.64	-0.0097	0.0039	0.07	0.19
0.10	0.0784	0.2031	2.134	-0.597	-0.0144	0.0061	0.066	0.234
0.12	0.0914	0.2292	2.012	-0.541	-0.0197	0.0089	0.057	0.271
0.14	0.1020	0.2539	1.918	-0.477	-0.0257	0.0121	0.056	0.312
0.16	0.1107	0.2775	1.850	-0.410	-0.0321	0.0157	0.066	0.356
0.18	0.1178	0.3006	1.810	-0.361	-0.0391	0.0199	0.089	0.395
0.20	0.1236	0.3234	1.783	-0.317	-0.0467	0.0248	0.108	0.431
0.22	0.1286	0.3458	1.754	-0.269	-0.0548	0.0301	0.116	0.466
0.24	0.1327	0.3682	1.729	-0.221	-0.0633	0.0361	0.127	0.503
0.26	0.1359	0.3906	1.710	-0.174	-0.0724	0.0426	0.141	0.542
0.28	0.1384	0.4130	1.695	-0.130	-0.0819	0.0496	0.154	0.580
0.30	0.1402	0.4356	1.683	-0.087	-0.0917	0.0574	0.171	0.618
0.32	0.1415	0.4582	1.675	-0.049	-0.1018	0.0659	0.192	0.653
0.34	0.1425	0.4810	1.669	-0.013	-0.1120	0.0753	0.210	0.689
0.36	0.1432	0.5039	1.667	0.021	-0.1225	0.0854	0.228	0.724
0.38	0.1435	0.5270	1.665	0.053	-0.1332	0.0964	0.249	0.758
0.40	0.1435	0.5502	1.665	0.084	-0.1437	0.1080	0.272	0.790
0.42	0.1434	0.5735	1.6648	0.1121	-0.1542	0.1204	0.2952	0.8212
0.44	0.1431	0.5968	1.6654	0.1383	-0.1646	0.1335	0.3190	0.8509
0.46	0.1426	0.6202	1.6663	0.1629	-0.1746	0.1473	0.3438	0.8790
0.48	0.1420	0.6435	1.6675	0.1859	-0.1844	0.1617	0.3692	0.9055
0.50	0.1413	0.6668	1.6687	0.2075	-0.1939	0.1767	0.3949	0.9298
0.52	0.1404	0.6899	1.6696	0.2277	-0.2027	0.1921	0.4209	0.9521
0.54	0.1393	0.7129	1.6702	0.2469	-0.2110	0.2080	0.4472	0.9723
0.56	0.1380	0.7357	1.6704	0.2650	-0.2189	0.2243	0.4731	0.9905
0.58	0.1364	0.7583	1.6700	0.2824	-0.2262	0.2408	0.4986	1.0066
0.60	0.1345	0.7807	1.6688	0.2992	-0.2331	0.2574	0.5234	1.0206
0.64	0.1296	0.8249	1.6640	0.3320	-0.2451	0.2905	0.5699	1.0433
0.68	0.1228	0.8687	1.6559	0.3649	-0.2556	0.3232	0.6110	1.0600
0.72	0.1138	0.9124	1.6461	0.3992	-0.2651	0.3551	0.6465	1.0728
0.76	0.1021	0.9564	1.6348	0.4364	-0.2742	0.3854	0.6748	1.0832
0.80	0.0881	1.0012	1.6229	0.4762	-0.2831	0.4144	0.6969	1.0922
0.84	0.0720	1.0473	1.6117	0.5185	-0.2926	0.4426	0.7131	1.1014
0.88	0.0540	1.0952	1.6017	0.5634	-0.3030	0.4702	0.7240	1.1113

TABLE W6. M = 1

ω	k'_a	k''_a	k'_b	k''_b	m'_a	m''_a	m'_b	m''_b
0.010	0.0503	0.0513	5.1726	-4.9863	0.0081	0.0088	0.9252	-0.7678
0.015	0.0613	0.0631	4.2614	-4.0331	0.0097	0.0110	0.7875	-0.5946
0.020	0.0704	0.0733	3.7233	-3.4599	0.0110	0.0130	0.7096	-0.4869
0.025	0.0783	0.0823	3.3595	-3.0650	0.0120	0.0148	0.6595	-0.4106
0.03	0.0854	0.0906	3.0936	-2.7709	0.0128	0.0165	0.6245	-0.3518
0.035	0.0917	0.0984	2.8890	-2.5404	0.0135	0.0182	0.5990	-0.3045
0.04	0.0976	0.1057	2.7255	-2.3531	0.0141	0.0198	0.5797	-0.2628
0.045	0.1029	0.1126	2.5913	-2.1964	0.0146	0.0214	0.5650	-0.2308
0.05	0.1079	0.1193	2.4791	-2.0627	0.0150	0.0229	0.5533	-0.2012
0.06	0.1170	0.1320	2.3008	-1.8446	0.0156	0.0260	0.5366	-0.1510
0.07	0.1251	0.1439	2.1650	-1.6723	0.0159	0.0291	0.5260	-0.1094
0.08	0.1323	0.1553	2.0577	-1.5309	0.0160	0.0321	0.5193	-0.0739
0.09	0.1389	0.1663	1.9707	-1.4120	0.0160	0.0352	0.5151	-0.0427
0.10	0.1448	0.1770	1.8986	-1.3097	0.0158	0.0383	0.5129	-0.0149
0.12	0.1553	0.1975	1.7861	-1.1410	0.0150	0.0445	0.5120	0.0334
0.14	0.1641	0.2173	1.7024	-1.0056	0.0136	0.0509	0.5144	0.0746
0.16	0.1716	0.2365	1.6379	-0.8931	0.0119	0.0574	0.5187	0.1110
0.18	0.1779	0.2554	1.5870	-0.7971	0.0099	0.0641	0.5243	0.1436
0.20	0.1833	0.2741	1.5460	-0.7134	0.0075	0.0710	0.5305	0.1735
0.24	0.1916	0.3108	1.4848	-0.5730	0.0020	0.0854	0.5441	0.2270
0.28	0.1972	0.3474	1.4421	-0.4575	-0.0044	0.1005	0.5584	0.2743
0.32	0.2006	0.3839	1.4117	-0.3594	-0.0116	0.1165	0.5730	0.3173
0.36	0.2021	0.4206	1.3898	-0.2739	-0.0194	0.1332	0.5868	0.3571
0.4	0.2019	0.4576	1.3737	-0.1980	-0.0278	0.1507	0.6005	0.3942
0.6	0.1835	0.6500	1.3420	0.0948	-0.0751	0.2495	0.6608	0.5558
0.8	0.1458	0.8576	1.3447	0.3093	-0.1269	0.3659	0.7075	0.6946
1.0	0.0982	1.0811	1.3576	0.4848	-0.1783	0.4982	0.7422	0.8220
1.5	-0.0299	1.7049	1.3911	0.8405	-0.2843	0.8845	0.7858	1.1203
2.0	-0.1307	2.3994	1.4027	1.1442	-0.3337	1.3207	0.7805	1.4163
2.5	-0.1793	3.1310	1.3882	1.4345	-0.3151	1.7682	0.7402	1.7287
3.0	-0.1713	3.8662	1.3529	1.7308	-0.2355	2.1927	0.6791	2.0679
3.5	-0.1175	4.5781	1.3062	2.0430	-0.1157	2.5688	0.6116	2.4382

TABLE W7. M = 1.05

ω	k_a'	k_a''	k_b'	k_b''	m_a'	m_a''	m_b'	m_b''
0	0	0	3.9770	0	0	0	1.9891	0
0.025	0.0229	0.0931	3.7300	-0.8653	0.0187	0.0434	1.7487	-0.6908
0.050	0.0754	0.1544	3.1065	-1.4128	0.0584	0.0559	1.1514	-1.0484
0.075	0.1280	0.1754	2.3806	-1.5691	0.0856	0.0339	0.5136	-0.9798
0.100	0.1528	0.1744	1.8188	-1.3554	0.0777	0.0019	0.1213	-0.6172
0.125	0.1496	0.1805	1.5499	-1.0102	0.0417	-0.0068	0.0746	-0.1338
0.150	0.1391	0.2079	1.5137	-0.7367	0.0088	0.0158	0.2595	0.1315
0.175	0.1420	0.2486	1.5600	-0.6164	0.0016	0.0546	0.4684	0.1793
0.200	0.1614	0.2834	1.5584	-0.6032	0.0197	0.0797	0.5503	0.1016
0.250	0.1921	0.3063	1.3795	-0.5258	0.0378	0.0638	0.4163	0.0985
0.300	0.1726	0.3423	1.3246	-0.3101	-0.0110	0.0773	0.4522	0.3084
0.350	0.1816	0.4089	1.3582	-0.2417	-0.0083	0.1318	0.5703	0.3057
0.400	0.1974	0.4366	1.2866	-0.1841	0.0023	0.1271	0.5128	0.3172
0.450	0.1749	0.4762	1.2735	-0.0570	-0.0405	0.1446	0.5397	0.4366
0.500	0.1769	0.5406	1.2998	-0.0095	-0.0416	0.1964	0.6087	0.4418
0.600	0.1602	0.6162	1.2621	0.1288	-0.0750	0.2204	0.5980	0.5454
0.700	0.1604	0.7173	1.2601	0.2084	-0.0750	0.2797	0.6215	0.5766

TABLE W8. M = 1.111

ω	k'_a	k''_a	k'_b	k''_b	m'_a	m''_a	m'_b	m''_b
0.0095	0.0010	0.0249	2.6238	-0.0938	0.0008	0.0124	1.3094	-0.0739
0.0152	0.0026	0.0398	2.6158	-0.1495	0.0021	0.0198	1.3014	-0.1177
0.0247	0.0067	0.0641	2.5944	-0.2406	0.0056	0.0316	1.2806	-0.1888
0.0342	0.0128	0.0876	2.5633	-0.3285	0.0106	0.0426	1.2501	-0.2563
0.0494	0.0259	0.1230	2.4948	-0.4595	0.0212	0.0581	1.1834	-0.3539
0.0532	0.0298	0.1313	2.4743	-0.4900	0.0243	0.0615	1.1636	-0.3759
0.0570	0.0339	0.1394	2.4526	-0.5194	0.0276	0.0646	1.1426	-0.3968
0.0665	0.0449	0.1586	2.3933	-0.5882	0.0362	0.0713	1.0856	-0.4437
0.0760	0.0569	0.1760	2.3276	-0.6494	0.0454	0.0765	1.0230	-0.4826
0.0798	0.0619	0.1825	2.2998	-0.6716	0.0492	0.0781	0.9966	-0.4957
0.0855	0.0696	0.1917	2.2567	-0.7024	0.0548	0.0799	0.9559	-0.5127
0.0950	0.0827	0.2055	2.1815	-0.7468	0.0642	0.0816	0.8858	-0.5338
0.1045	0.0959	0.2174	2.1033	-0.7821	0.0732	0.0817	0.8138	-0.5455
0.1235	0.1216	0.2359	1.9426	-0.8255	0.0891	0.0771	0.6695	-0.5410
0.1330	0.1335	0.2426	1.8624	-0.8337	0.0954	0.0727	0.5998	-0.5252
0.1425	0.1445	0.2479	1.7838	-0.8334	0.1003	0.0673	0.5333	-0.5010
0.1596	0.1614	0.2543	1.6493	-0.8127	0.1053	0.0557	0.4248	-0.4386
0.1805	0.1761	0.2584	1.5036	-0.7572	0.1040	0.0401	0.3183	-0.3357
0.1995	0.1833	0.2607	1.3941	-0.6851	0.0957	0.0272	0.2508	-0.2255
0.2090	0.1847	0.2619	1.3486	-0.6436	0.0892	0.0218	0.2283	-0.1673
0.2375	0.1815	0.2687	1.2499	-0.5087	0.0629	0.0130	0.2046	0.0063
0.2660	0.1707	0.2832	1.2041	-0.3760	0.0312	0.0176	0.2378	0.1588
0.3040	0.1534	0.3172	1.2038	-0.2323	-0.0070	0.0447	0.3373	0.2994
0.3420	0.1435	0.3640	1.2361	-0.1428	-0.0284	0.0873	0.4507	0.3592
0.3990	0.1520	0.4367	1.2690	-0.0916	-0.0224	0.1473	0.5552	0.3453
0.4750	0.1803	0.4988	1.2236	-0.0515	0.0067	0.1706	0.5342	0.3254
0.5700	0.1639	0.5480	1.1586	0.0936	-0.0333	0.1668	0.4939	0.4622
0.6650	0.1231	0.6506	1.1963	0.2210	-0.0949	0.2445	0.5879	0.5695
0.7600	0.1291	0.7594	1.2101	0.2676	-0.0818	0.3219	0.6239	0.5712
0.8550	0.1202	0.8267	1.1804	0.3489	-0.0933	0.3373	0.5934	0.6390
0.9500	0.0736	0.9226	1.1999	0.4478	-0.1552	0.3973	0.6338	0.7339
1.1400	0.0571	1.1357	1.2095	0.5508	-0.1562	0.5348	0.6520	0.7993
1.9000	-0.1161	2.0481	1.2512	1.0032	-0.2893	1.1059	0.6945	1.2343

TABLE W9. M = 1.1765

ω	k_a'	k_a''	k_b'	k_b''	m_a'	m_a''	m_b'	m_b''
0	0	0	2.0545	0	0	0	1.0272	0
0.025	0.0033	0.0511	2.0430	-0.1072	0.0027	0.0254	1.0161	-0.0806
0.050	0.0130	0.1004	2.0094	-0.2093	0.0108	0.0490	0.9833	-0.1556
0.075	0.0284	0.1463	1.9552	-0.3017	0.0232	0.0693	0.9311	-0.2203
0.100	0.0483	0.1874	1.8836	-0.3803	0.0389	0.0849	0.8627	-0.2699
0.125	0.0712	0.2228	1.7980	-0.4416	0.0561	0.0951	0.7823	-0.3016
0.150	0.0954	0.2522	1.7032	-0.4837	0.0732	0.0995	0.6951	-0.3130
0.175	0.1194	0.2752	1.6036	-0.5055	0.0884	0.0985	0.6061	-0.3035
0.200	0.1414	0.2925	1.5039	-0.5068	0.1000	0.0927	0.5205	-0.2740
0.250	0.1742	0.3139	1.3216	-0.4552	0.1081	0.0721	0.3772	-0.1629
0.300	0.1875	0.3265	1.1831	-0.3491	0.0925	0.0507	0.2924	-0.0070
0.350	0.1813	0.3420	1.1012	-0.2173	0.0572	0.0414	0.2749	0.1586
0.400	0.1621	0.3692	1.0732	-0.0885	0.0120	0.0526	0.3148	0.3021
0.450	0.1394	0.4116	1.0838	0.0170	-0.0302	0.0858	0.3996	0.4021
0.500	0.1219	0.4663	1.1130	0.0896	-0.0578	0.1335	0.4707	0.4556
0.600	0.1190	0.5838	1.1532	0.1569	-0.0723	0.2282	0.5731	0.4649
0.700	0.1366	0.6713	1.1330	0.2048	-0.0371	0.2717	0.5574	0.4737

TABLE W10. M = 1.25

ω	k'_a	k''_a	k'_b	k''_b	m'_a	m''_a	m'_b	m''_b
0.0108	0.0004	0.0183	1.6967	-0.0234	0.0003	0.0092	0.8479	-0.0160
0.0252	0.0019	0.0426	1.6927	-0.0544	0.0016	0.0213	0.8439	-0.0382
0.0504	0.0076	0.0845	1.6778	-0.1070	0.0063	0.0417	0.8297	-0.0744
0.0540	0.0086	0.0904	1.6750	-0.1143	0.0072	0.0445	0.8269	-0.0793
0.0576	0.0008	0.0962	1.6719	-0.1215	0.0081	0.0473	0.8239	-0.0841
0.0612	0.0111	0.1020	1.6686	-0.1287	0.0091	0.0501	0.8208	-0.0889
0.0648	0.0124	0.1078	1.6651	-0.1357	0.0102	0.0528	0.8175	-0.0936
0.0720	0.0152	0.1192	1.6577	-0.1496	0.0125	0.0581	0.8103	-0.1027
0.0792	0.0182	0.1304	1.6495	-0.1630	0.0150	0.0632	0.8025	-0.1113
0.0864	0.0215	0.1414	1.6407	-0.1761	0.0177	0.0681	0.7940	-0.1195
0.0936	0.0251	0.1522	1.6311	-0.1886	0.0206	0.0728	0.7849	-0.1273
0.1008	0.0289	0.1629	1.6210	-0.2008	0.0236	0.0774	0.7752	-0.1345
0.1080	0.0328	0.1732	1.6102	-0.2124	0.0267	0.0816	0.7650	-0.1412
0.1188	0.0391	0.1884	1.5929	-0.2287	0.0317	0.0876	0.7486	-0.1501
0.1260	0.0436	0.1981	1.5808	-0.2390	0.0352	0.0913	0.7371	-0.1553
0.1332	0.0481	0.2076	1.5680	-0.2486	0.0387	0.0948	0.7252	-0.1599
0.1404	0.0529	0.2168	1.5549	-0.2575	0.0423	0.0979	0.7128	-0.1638
0.1476	0.0577	0.2258	1.5412	-0.2659	0.0460	0.1008	0.7001	-0.1670
0.1584	0.0651	0.2386	1.5200	-0.2771	0.0515	0.1047	0.6804	-0.1706
0.1692	0.0727	0.2508	1.4980	-0.2869	0.0571	0.1079	0.6601	-0.1725
0.1764	0.0779	0.2586	1.4830	-0.2925	0.0608	0.1097	0.6463	-0.1729
0.1908	0.0882	0.2732	1.4521	-0.3015	0.0680	0.1124	0.6182	-0.1715
0.1980	0.0934	0.2800	1.4363	-0.3050	0.0715	0.1134	0.6041	-0.1696
0.2232	0.1112	0.3017	1.3802	-0.3112	0.0828	0.1148	0.5544	-0.1573
0.2412	0.1233	0.3151	1.3398	-0.3102	0.0898	0.1140	0.5195	-0.1430
0.2664	0.1390	0.3310	1.2842	-0.3013	0.0974	0.1107	0.4729	-0.1157
0.2808	0.1470	0.3389	1.2533	-0.2924	0.1005	0.1078	0.4479	-0.0966
0.2988	0.1559	0.3475	1.2161	-0.2778	0.1028	0.1036	0.4189	-0.0693
0.3312	0.1684	0.3606	1.1545	-0.2425	0.1025	0.0947	0.3741	-0.0123
0.3528	0.1739	0.3680	1.1180	-0.2134	0.0990	0.0886	0.3504	0.0302
0.3600	0.1752	0.3704	1.1068	-0.2029	0.0972	0.0866	0.3437	0.0449
0.3960	0.1779	0.3820	1.0583	-0.1454	0.0841	0.0782	0.3194	0.1217
0.4320	0.1743	0.3946	1.0231	-0.0826	0.0646	0.0737	0.3107	0.2000
0.4680	0.1654	0.4099	1.0010	-0.0183	0.0402	0.0747	0.3166	0.2756
0.5040	0.1525	0.4292	0.9912	0.0443	0.0129	0.0824	0.3354	0.3448
0.5940	0.1131	0.4988	1.0066	0.1764	-0.0538	0.1320	0.4176	0.4738
0.7920	0.0737	0.7158	1.0771	0.3138	-0.0996	0.3090	0.5662	0.5490
0.9000	0.0821	0.8183	1.0721	0.3572	-0.0804	0.3699	0.5635	0.5667
1.8000	-0.0823	1.7120	1.0886	0.8630	-0.2198	0.8947	0.5903	1.0560
3.6000	-0.0170	3.7647	1.0060	1.7284	0.0229	2.0411	0.4492	2.0506

TABLE W11. M = 1.4286

ω	k_a'	k_a''	k_b'	k_b''	m_a'	m_a''	m_b'	m_b''
0.0102	0.0001	0.0127	1.2478	-0.0059	0.0001	0.0064	0.6237	-0.0030
0.0153	0.0003	0.0191	1.2475	-0.0088	0.0002	0.0095	0.6236	-0.0041
0.0255	0.0008	0.0318	1.2466	-0.0146	0.0006	0.0159	0.6227	-0.0069
0.0408	0.0020	0.0508	1.2445	-0.0232	0.0017	0.0253	0.6206	-0.0108
0.0510	0.0031	0.0633	1.2425	-0.0289	0.0026	0.0315	0.6187	-0.0134
0.0561	0.0037	0.0696	1.2413	-0.0317	0.0031	0.0346	0.6176	-0.0146
0.0612	0.0044	0.0758	1.2400	-0.0344	0.0037	0.0377	0.6164	-0.0158
0.0663	0.0052	0.0821	1.2386	-0.0371	0.0043	0.0407	0.6151	-0.0169
0.0714	0.0060	0.0883	1.2372	-0.0398	0.0050	0.0437	0.6137	-0.0180
0.0765	0.0069	0.0944	1.2356	-0.0425	0.0057	0.0467	0.6122	-0.0191
0.0816	0.0078	0.1006	1.2339	-0.0451	0.0065	0.0497	0.6106	-0.0202
0.0867	0.0088	0.1067	1.2321	-0.0476	0.0073	0.0526	0.6089	-0.0211
0.0918	0.0099	0.1128	1.2302	-0.0502	0.0082	0.0555	0.6071	-0.0221
0.1020	0.0121	0.1248	1.2261	-0.0550	0.0100	0.0612	0.6032	-0.0238
0.1122	0.0146	0.1368	1.2216	-0.0597	0.0120	0.0668	0.5990	-0.0253
0.1224	0.0172	0.1486	1.2168	-0.0642	0.0141	0.0722	0.5944	-0.0266
0.1326	0.0200	0.1602	1.2116	-0.0684	0.0164	0.0775	0.5895	-0.0276
0.1428	0.0231	0.1716	1.2060	-0.0724	0.0188	0.0825	0.5843	-0.0284
0.1530	0.0262	0.1829	1.2001	-0.0760	0.0214	0.0874	0.5787	-0.0288
0.1581	0.0279	0.1884	1.1970	-0.0778	0.0227	0.0898	0.5758	-0.0289
0.1683	0.0313	0.1994	1.1906	-0.0810	0.0254	0.0944	0.5699	-0.0289
0.1785	0.0348	0.2101	1.1839	-0.0839	0.0281	0.0989	0.5636	-0.0285
0.1887	0.0385	0.2207	1.1769	-0.0865	0.0310	0.1031	0.5572	-0.0278
0.1989	0.0423	0.2310	1.1696	-0.0887	0.0339	0.1071	0.5505	-0.0268
0.2091	0.0462	0.2411	1.1621	-0.0906	0.0368	0.1108	0.5436	-0.0253
0.2244	0.0521	0.2557	1.1505	-0.0904	0.0413	0.1161	0.5329	-0.0236
0.2397	0.0583	0.2699	1.1383	-0.0940	0.0458	0.1208	0.5219	-0.0187
0.2703	0.0707	0.2965	1.1130	-0.0939	0.0546	0.1287	0.4992	-0.0086
0.3009	0.0832	0.3209	1.0866	-0.0902	0.0629	0.1346	0.4761	0.0053
0.3417	0.0991	0.3500	1.0510	-0.0796	0.0724	0.1395	0.4456	0.0295
0.4080	0.1212	0.3898	0.9946	-0.0487	0.0819	0.1414	0.4003	0.0818
0.5100	0.1402	0.4381	0.9218	0.0266	0.0774	0.1366	0.3508	0.1869
0.6120	0.1364	0.4816	0.8762	0.1233	0.0472	0.1354	0.3353	0.3064
0.7905	0.0846	0.5825	0.8680	0.2947	-0.0466	0.1808	0.3854	0.4932
0.9945	0.0130	0.7643	0.9190	0.4295	-0.1374	0.3217	0.4861	0.6097
1.2750	-0.0124	1.0531	0.9517	0.5274	-0.1381	0.5355	0.5285	0.6723
2.5500	-0.0754	2.2843	0.9254	1.0621	-0.1051	1.2518	0.4625	1.2518
5.1000	0.0752	4.5403	0.8566	2.2628	0.1091	2.2628	0.3942	2.6799

TABLE W12. M = 1.6667

ω	k'_a	k''_a	k'_b	k''_b	m'_a	m''_a	m'_b	m''_b
0.0128	0.0001	0.0122	0.9548	-0.0008	0.0001	0.0061	0.4773	0.0015
0.0192	0.0002	0.0183	0.9547	-0.0011	0.0002	0.0092	0.4772	0.0020
0.0256	0.0004	0.0244	0.9544	-0.0015	0.0003	0.0122	0.4770	0.0028
0.0512	0.0014	0.0488	0.9530	-0.0029	0.0012	0.0243	0.4756	0.0057
0.0576	0.0018	0.0548	0.9525	-0.0033	0.0015	0.0273	0.4751	0.0065
0.0640	0.0022	0.0609	0.9519	-0.0036	0.0018	0.0303	0.4746	0.0073
0.0704	0.0026	0.0669	0.9512	-0.0039	0.0022	0.0333	0.4740	0.0081
0.0768	0.0031	0.0730	0.9505	-0.0042	0.0026	0.0363	0.4733	0.0089
0.0832	0.0037	0.0790	0.9498	-0.0044	0.0030	0.0392	0.4726	0.0097
0.0896	0.0043	0.0850	0.9490	-0.0047	0.0035	0.0422	0.4719	0.0105
0.0960	0.0049	0.0909	0.9481	-0.0049	0.0040	0.0451	0.4711	0.0114
0.1024	0.0055	0.0969	0.9472	-0.0051	0.0046	0.0480	0.4702	0.0123
0.1088	0.0062	0.1028	0.9462	-0.0053	0.0052	0.0509	0.4693	0.0132
0.1152	0.0070	0.1087	0.9451	-0.0054	0.0058	0.0537	0.4683	0.0141
0.1216	0.0077	0.1146	0.9441	-0.0056	0.0064	0.0566	0.4673	0.0151
0.1280	0.0085	0.1205	0.9429	-0.0057	0.0071	0.0594	0.4662	0.0161
0.1344	0.0094	0.1263	0.9417	-0.0057	0.0077	0.0622	0.4651	0.0171
0.1408	0.0103	0.1322	0.9404	-0.0058	0.0085	0.0649	0.4639	0.0182
0.1536	0.0122	0.1437	0.9378	-0.0058	0.0100	0.0704	0.4614	0.0204
0.1600	0.0131	0.1494	0.9364	-0.0057	0.0108	0.0731	0.4601	0.0215
0.1728	0.0152	0.1608	0.9334	-0.0055	0.0125	0.0783	0.4574	0.0240
0.1856	0.0174	0.1721	0.9302	-0.0052	0.0142	0.0835	0.4544	0.0265
0.1984	0.0197	0.1832	0.9269	-0.0046	0.0160	0.0885	0.4514	0.0293
0.2176	0.0234	0.1996	0.9215	-0.0036	0.0189	0.0957	0.4465	0.0337
0.2432	0.0286	0.2209	0.9138	-0.0015	0.0230	0.1049	0.4394	0.0403
0.2688	0.0341	0.2416	0.9056	0.0014	0.0272	0.1134	0.4320	0.0477
0.3008	0.0413	0.2664	0.8946	0.0061	0.0325	0.1232	0.4221	0.0580
0.3520	0.0531	0.3039	0.8757	0.0164	0.0408	0.1366	0.4056	0.0775
0.4160	0.0676	0.3467	0.8512	0.0345	0.0500	0.1497	0.3847	0.1069
0.5120	0.0862	0.4030	0.8150	0.0720	0.0584	0.1627	0.3559	0.1612
0.6080	0.0975	0.4519	0.7834	0.1209	0.0574	0.1707	0.3343	0.2256
0.8000	0.0905	0.5420	0.7466	0.2398	0.0215	0.1891	0.3239	0.3688
0.9920	0.0473	0.6484	0.7498	0.3608	-0.0488	0.2400	0.3567	0.5003
1.6000	-0.0642	1.1765	0.8216	0.5879	-0.1505	0.6288	0.4607	0.7025
3.2000	-0.0031	2.5180	0.7580	1.1563	0.0257	1.3627	0.3484	1.3589
6.4000	-0.0469	4.8486	0.7906	2.4530	-0.0798	2.4024	0.4250	2.8755

TABLE W13. M = 2.0

ω	k_a'	k_a''	k_b'	k_b''	m_a'	m_a''	m_b'	m_b''
0.0075	0.0000	0.0055	0.7351	0.0009	0.0000	0.0028	0.3675	0.0014
0.0150	0.0001	0.0110	0.7350	0.0018	0.0000	0.0055	0.3675	0.0034
0.0225	0.0001	0.0165	0.7350	0.0028	0.0001	0.0083	0.3674	0.0050
0.0375	0.0003	0.0275	0.7347	0.0046	0.0003	0.0138	0.3672	0.0084
0.0525	0.0007	0.0385	0.7343	0.0065	0.0006	0.0192	0.3668	0.0118
0.0600	0.0009	0.0440	0.7341	0.0074	0.0007	0.0220	0.3666	0.0135
0.0675	0.0011	0.0495	0.7338	0.0084	0.0009	0.0247	0.3663	0.0153
0.0750	0.0014	0.0550	0.7335	0.0093	0.0011	0.0274	0.3661	0.0170
0.0825	0.0017	0.0605	0.7332	0.0103	0.0014	0.0301	0.3658	0.0187
0.0900	0.0020	0.0659	0.7328	0.0113	0.0016	0.0328	0.3654	0.0204
0.0975	0.0023	0.0714	0.7324	0.0122	0.0019	0.0355	0.3651	0.0222
0.1050	0.0027	0.0768	0.7320	0.0132	0.0022	0.0382	0.3647	0.0240
0.1125	0.0031	0.0822	0.7315	0.0142	0.0025	0.0409	0.3642	0.0257
0.1275	0.0039	0.0931	0.7305	0.0163	0.0032	0.0462	0.3633	0.0293
0.1350	0.0044	0.0984	0.7300	0.0173	0.0036	0.0488	0.3628	0.0311
0.1425	0.0048	0.1038	0.7294	0.0183	0.0040	0.0514	0.3623	0.0329
0.1500	0.0054	0.1092	0.7288	0.0194	0.0044	0.0541	0.3617	0.0348
0.1575	0.0059	0.1145	0.7282	0.0205	0.0049	0.0566	0.3611	0.0366
0.1725	0.0070	0.1252	0.7268	0.0227	0.0058	0.0618	0.3599	0.0404
0.1875	0.0082	0.1357	0.7254	0.0250	0.0068	0.0668	0.3586	0.0442
0.2025	0.0095	0.1462	0.7238	0.0273	0.0078	0.0718	0.3572	0.0481
0.2175	0.0109	0.1566	0.7222	0.0297	0.0089	0.0767	0.3556	0.0521
0.2400	0.0131	0.1721	0.7195	0.0335	0.0107	0.0839	0.3532	0.0582
0.2625	0.0155	0.1873	0.7166	0.0375	0.0125	0.0909	0.3506	0.0645
0.2775	0.0171	0.1974	0.7146	0.0403	0.0138	0.0954	0.3488	0.0689
0.3000	0.0197	0.2123	0.7114	0.0447	0.0158	0.1021	0.3460	0.0756
0.3375	0.0241	0.2365	0.7058	0.0524	0.0191	0.1126	0.3409	0.0873
0.4125	0.0334	0.2829	0.6935	0.0701	0.0257	0.1317	0.3303	0.1129
0.4875	0.0426	0.3264	0.6805	0.0908	0.0315	0.1481	0.3194	0.1415
0.6000	0.0543	0.3864	0.6614	0.1275	0.0369	0.1683	0.3045	0.1897
0.7875	0.0625	0.4763	0.6360	0.2016	0.0313	0.1953	0.2890	0.2813
1.0125	0.0469	0.5813	0.6247	0.3015	-0.0036	0.2335	0.2935	0.3970
1.8750	-0.0737	1.1795	0.6818	0.5803	-0.1264	0.6385	0.3779	0.6778
3.7500	0.0317	2.4372	0.6185	1.1606	0.0628	1.2682	0.2819	1.3657
7.5002	-0.0057	4.7973	0.6367	2.3693	-0.0036	2.4280	0.3159	2.7657

TABLE W14. M = 2.5

ω	k'_a	k''_a	k'_b	k''_b	m'_a	m''_a	m'_b	m''_b
0.0084	0.0000	0.0047	0.5557	0.0014	0.0000	0.0023	0.2778	0.0019
0.0168	0.0000	0.0093	0.5557	0.0029	0.0000	0.0047	0.2778	0.0040
0.0252	0.0001	0.0140	0.5556	0.0043	0.0001	0.0070	0.2778	0.0060
0.0504	0.0003	0.0280	0.5554	0.0087	0.0002	0.0140	0.2776	0.0119
0.0588	0.0004	0.0326	0.5553	0.0101	0.0003	0.0163	0.2775	0.0139
0.0672	0.0005	0.0373	0.5552	0.0116	0.0004	0.0186	0.2774	0.0159
0.0756	0.0006	0.0420	0.5551	0.0130	0.0005	0.0210	0.2773	0.0179
0.0840	0.0007	0.0466	0.5549	0.0145	0.0006	0.0233	0.2771	0.0199
0.0924	0.0009	0.0512	0.5548	0.0160	0.0007	0.0256	0.2770	0.0219
0.1008	0.0011	0.0559	0.5546	0.0174	0.0009	0.0279	0.2768	0.0239
0.1092	0.0012	0.0605	0.5544	0.0189	0.0010	0.0302	0.2767	0.0259
0.1176	0.0014	0.0651	0.5542	0.0204	0.0012	0.0325	0.2765	0.0279
0.1260	0.0017	0.0698	0.5540	0.0219	0.0014	0.0348	0.2763	0.0299
0.1344	0.0019	0.0744	0.5538	0.0234	0.0016	0.0370	0.2761	0.0320
0.1428	0.0021	0.0790	0.5535	0.0249	0.0018	0.0393	0.2758	0.0340
0.1512	0.0024	0.0836	0.5532	0.0264	0.0020	0.0416	0.2756	0.0360
0.1596	0.0026	0.0882	0.5530	0.0279	0.0022	0.0438	0.2754	0.0381
0.1764	0.0032	0.0973	0.5524	0.0309	0.0026	0.0483	0.2748	0.0422
0.1932	0.0038	0.1065	0.5518	0.0340	0.0031	0.0528	0.2742	0.0464
0.2016	0.0041	0.1110	0.5514	0.0355	0.0034	0.0550	0.2739	0.0484
0.2184	0.0048	0.1201	0.5507	0.0386	0.0040	0.0594	0.2733	0.0526
0.2436	0.0059	0.1336	0.5495	0.0434	0.0048	0.0659	0.2722	0.0590
0.2604	0.0067	0.1426	0.5487	0.0466	0.0055	0.0702	0.2715	0.0633
0.2856	0.0080	0.1559	0.5473	0.0515	0.0065	0.0766	0.2703	0.0698
0.3024	0.0088	0.1647	0.5464	0.0548	0.0071	0.0807	0.2694	0.0742
0.3276	0.0102	0.1779	0.5449	0.0598	0.0082	0.0869	0.2681	0.0809
0.3612	0.0121	0.1952	0.5428	0.0667	0.0097	0.0949	0.2663	0.0900
0.4032	0.0146	0.2165	0.5400	0.0757	0.0115	0.1046	0.2638	0.1017
0.4368	0.0166	0.2332	0.5377	0.0831	0.0130	0.1120	0.2618	0.1112
0.5040	0.0207	0.2660	0.5328	0.0986	0.0157	0.1263	0.2577	0.1311
0.5880	0.0255	0.3054	0.5265	0.1193	0.0185	0.1428	0.2526	0.1572
0.7980	0.0334	0.3980	0.5125	0.1771	0.0196	0.1791	0.2429	0.2280
1.0080	0.0311	0.4858	0.5043	0.2412	0.0087	0.2137	0.2407	0.3035
2.0160	-0.0560	1.0181	0.5376	0.5070	-0.0886	0.5390	0.2924	0.5900
2.1000	-0.0564	1.0713	0.5382	0.5234	-0.0843	0.5748	0.2914	0.6074
4.1999	0.0180	2.1412	0.5011	1.0668	0.0270	1.0702	0.2420	1.2548
8.3998	0.0261	4.2852	0.4963	2.1336	0.0400	2.1480	0.2347	2.4934

TABLE W15. M = 3.333

ω	k'_a	k''_a	k'_b	k''_b	m'_a	m''_a	m'_b	m''_b
0.0091	0.0000	0.0036	0.4004	0.0015	0.0000	0.0018	0.2002	0.0018
0.0182	0.0000	0.0073	0.4004	0.0029	0.0000	0.0036	0.2002	0.0036
0.0273	0.0000	0.0109	0.4004	0.0044	0.0000	0.0055	0.2002	0.0055
0.0455	0.0001	0.0182	0.4003	0.0073	0.0001	0.0091	0.2001	0.0091
0.0546	0.0001	0.0219	0.4003	0.0088	0.0001	0.0109	0.2001	0.0110
0.0637	0.0002	0.0255	0.4003	0.0102	0.0001	0.0127	0.2001	0.0128
0.0728	0.0002	0.0291	0.4002	0.0117	0.0002	0.0146	0.2000	0.0146
0.0819	0.0003	0.0328	0.4002	0.0132	0.0002	0.0164	0.2000	0.0164
0.0910	0.0003	0.0364	0.4001	0.0146	0.0003	0.0182	0.1999	0.0183
0.1001	0.0004	0.0400	0.4000	0.0161	0.0003	0.0200	0.1999	0.0201
0.1092	0.0005	0.0437	0.4000	0.0176	0.0004	0.0218	0.1998	0.0219
0.1183	0.0005	0.0473	0.3999	0.0191	0.0005	0.0236	0.1997	0.0238
0.1274	0.0006	0.0509	0.3998	0.0205	0.0005	0.0254	0.1997	0.0256
0.1365	0.0007	0.0545	0.3997	0.0220	0.0006	0.0272	0.1996	0.0275
0.1456	0.0008	0.0582	0.3996	0.0235	0.0007	0.0290	0.1995	0.0293
0.1547	0.0009	0.0618	0.3995	0.0250	0.0008	0.0308	0.1994	0.0312
0.1638	0.0010	0.0654	0.3994	0.0264	0.0009	0.0326	0.1993	0.0330
0.1729	0.0012	0.0690	0.3993	0.0279	0.0010	0.0344	0.1992	0.0349
0.1911	0.0014	0.0762	0.3991	0.0309	0.0012	0.0380	0.1990	0.0386
0.2002	0.0015	0.0798	0.3990	0.0324	0.0013	0.0397	0.1989	0.0404
0.2093	0.0017	0.0834	0.3988	0.0339	0.0014	0.0415	0.1988	0.0423
0.2366	0.0021	0.0942	0.3984	0.0384	0.0017	0.0468	0.1984	0.0479
0.2639	0.0026	0.1049	0.3980	0.0430	0.0021	0.0521	0.1980	0.0535
0.2821	0.0029	0.1120	0.3976	0.0460	0.0024	0.0555	0.1977	0.0573
0.3003	0.0033	0.1191	0.3973	0.0491	0.0027	0.0590	0.1974	0.0611
0.3276	0.0039	0.1297	0.3967	0.0537	0.0031	0.0641	0.1969	0.0668
0.3640	0.0047	0.1438	0.3959	0.0600	0.0038	0.0709	0.1962	0.0745
0.4004	0.0055	0.1577	0.3950	0.0663	0.0044	0.0776	0.1954	0.0823
0.5005	0.0080	0.1955	0.3925	0.0841	0.0062	0.0954	0.1932	0.1042
0.5915	0.0102	0.2291	0.3900	0.1009	0.0076	0.1109	0.1912	0.1247
0.8190	0.0143	0.3101	0.3841	0.1455	0.0089	0.1471	0.1869	0.1782
1.0010	0.0146	0.3728	0.3807	0.1834	0.0063	0.1748	0.1854	0.2229
2.0020	-0.0269	0.7527	0.3937	0.3833	-0.0446	0.3828	0.2078	0.4474
2.2750	-0.0308	0.8739	0.3962	0.4283	-0.0429	0.4592	0.2088	0.4972
4.5500	-0.0026	1.7186	0.3838	0.8780	-0.0090	0.8411	0.1962	1.0304
9.1000	-0.0127	3.4657	0.3891	1.7423	-0.0211	1.7244	0.2019	2.0352

TABLE W16. M = 5

ω	k'_a	k''_a	k'_b	k''_b	m'_a	m''_a	m'_b	m''_b
0.0096	0.0000	0.0025	0.2599	0.0011	0.0000	0.0012	0.1299	0.0014
0.0192	0.0000	0.0050	0.2599	0.0023	0.0000	0.0025	0.1299	0.0027
0.0288	0.0000	0.0075	0.2599	0.0034	0.0000	0.0037	0.1299	0.0041
0.0480	0.0000	0.0125	0.2599	0.0057	0.0000	0.0062	0.1299	0.0068
0.0576	0.0000	0.0150	0.2599	0.0069	0.0000	0.0075	0.1299	0.0082
0.0672	0.0000	0.0175	0.2599	0.0080	0.0000	0.0087	0.1299	0.0096
0.0768	0.0001	0.0200	0.2598	0.0092	0.0001	0.0100	0.1299	0.0110
0.0864	0.0001	0.0224	0.2598	0.0103	0.0001	0.0112	0.1299	0.0123
0.0960	0.0001	0.0249	0.2598	0.0114	0.0001	0.0125	0.1299	0.0137
0.1056	0.0001	0.0274	0.2598	0.0126	0.0001	0.0137	0.1299	0.0151
0.1152	0.0001	0.0299	0.2598	0.0137	0.0001	0.0150	0.1298	0.0164
0.1248	0.0002	0.0324	0.2598	0.0149	0.0001	0.0162	0.1298	0.0178
0.1344	0.0002	0.0349	0.2597	0.0160	0.0002	0.0174	0.1298	0.0192
0.1440	0.0002	0.0374	0.2597	0.0172	0.0002	0.0187	0.1298	0.0206
0.1536	0.0003	0.0399	0.2597	0.0183	0.0002	0.0199	0.1298	0.0219
0.1632	0.0003	0.0424	0.2596	0.0195	0.0002	0.0212	0.1297	0.0233
0.1728	0.0003	0.0449	0.2596	0.0206	0.0003	0.0224	0.1297	0.0247
0.1824	0.0004	0.0473	0.2596	0.0218	0.0003	0.0236	0.1297	0.0261
0.2016	0.0004	0.0523	0.2595	0.0241	0.0004	0.0261	0.1296	0.0288
0.2208	0.0005	0.0573	0.2594	0.0264	0.0004	0.0286	0.1295	0.0316
0.2400	0.0006	0.0622	0.2594	0.0287	0.0005	0.0310	0.1295	0.0343
0.2688	0.0007	0.0696	0.2592	0.0322	0.0006	0.0347	0.1294	0.0385
0.2976	0.0009	0.0771	0.2591	0.0357	0.0007	0.0384	0.1292	0.0426
0.3168	0.0010	0.0820	0.2590	0.0380	0.0008	0.0408	0.1291	0.0454
0.3264	0.0011	0.0845	0.2589	0.0391	0.0009	0.0420	0.1291	0.0468
0.3456	0.0012	0.0894	0.2588	0.0415	0.0010	0.0445	0.1290	0.0496
0.3840	0.0014	0.0992	0.2586	0.0462	0.0011	0.0493	0.1288	0.0552
0.4032	0.0016	0.1041	0.2585	0.0485	0.0012	0.0517	0.1287	0.0580
0.4800	0.0021	0.1236	0.2580	0.0580	0.0016	0.0612	0.1283	0.0693
0.5760	0.0028	0.1478	0.2573	0.0700	0.0021	0.0730	0.1277	0.0835
0.8160	0.0042	0.2073	0.2555	0.1007	0.0028	0.1015	0.1264	0.1198
1.0080	0.0045	0.2542	0.2544	0.1259	0.0022	0.1237	0.1258	0.1494
2.0160	-0.0082	0.5083	0.2579	0.2574	-0.0140	0.2549	0.1322	0.3006
2.4000	-0.0108	0.6138	0.2594	0.3034	-0.0144	0.3148	0.1331	0.3529
4.8001	-0.0065	1.2092	0.2579	0.6172	-0.0123	0.5935	0.1335	0.7223
9.5997	-0.0023	2.4452	0.2558	1.2214	-0.0035	1.2238	0.1279	1.4256

TABLE C1. M = 0, τ = 0.02

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.3589	0	0.1748	0	0	0	0.00004	0	0.00022	0
0.10	0.2988	-0.0606	0.1747	0.0010	0	0	0.00003	0.00001	0.00022	0
0.20	0.2615	-0.0654	0.1747	0.0020	0	0.00001	0.00003	0.00002	0.00022	0
0.30	0.2393	-0.0610	0.1747	0.0029	0	0.00001	0.00002	0.00004	0.00022	0.00001
0.40	0.2249	-0.0549	0.1748	0.0038	-0.00001	0.00001	0.00001	0.00005	0.00022	0.00001
0.50	0.2154	-0.0489	0.1749	0.0048	-0.00002	0.00001	0.00001	0.00007	0.00021	0.00001
0.60	0.2086	-0.0434	0.1749	0.0058	-0.00002	0.00001	0	0.00008	0.00021	0.00001
0.70	0.2035	-0.0383	0.1750	0.0069	-0.00003	0.00002	0	0.00011	0.00021	0.00001
0.80	0.1999	-0.0339	0.1751	0.0077	-0.00005	0.00002	-0.00002	0.00012	0.00021	0.00002
0.90	0.1970	-0.0297	0.1751	0.0088	-0.00006	0.00002	-0.00004	0.00014	0.00021	0.00002
1.00	0.1947	-0.0261	0.1751	0.0098	-0.00007	0.00002	-0.00004	0.00015	0.00022	0.00002

TABLE C2. M = 0.50, τ = 0.02

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.4145	0	0.2017	0	0	0	0.00004	0	0.00025	0
0.10	0.3209	-0.0929	0.2032	0.0002	0	0	0.00004	0.00001	0.00025	0
0.20	0.2679	-0.1002	0.2052	-0.0015	0	0.00001	0.00003	0.00003	0.00025	0
0.30	0.2394	-0.0983	0.2070	-0.0037	-0.00001	0.00001	0.00002	0.00004	0.00025	0.00001
0.40	0.2218	-0.0958	0.2089	-0.0070	-0.00001	0.00001	0.00001	0.00006	0.00025	0.00001
0.50	0.2097	-0.0944	0.2108	-0.0101	-0.00002	0.00001	0.00001	0.00008	0.00025	0.00001
0.60	0.2007	-0.0946	0.2127	-0.0140	-0.00003	0.00002	0	0.00011	0.00025	0.00001
0.70	0.1933	-0.0960	0.2142	-0.0185	-0.00004	0.00002	-0.00001	0.00013	0.00025	0.00002
0.80	0.1871	-0.0984	0.2160	-0.0237	-0.00006	0.00002	-0.00003	0.00015	0.00025	0.00002
0.90	0.1802	-0.1016	0.2168	-0.0293	-0.00007	0.00003	-0.00003	0.00016	0.00025	0.00002
1.00	0.1732	-0.1055	0.2174	-0.0352	-0.00009	0.00003	-0.00004	0.00018	0.00025	0.00003

TABLE C3. M = 0.60, τ = 0.02

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.4487	0	0.2184	0	0	0	0.00005	0	0.00027	0
0.10	0.3296	-0.1116	0.2211	-0.0011	0	0	0.00004	0.00001	0.00027	0
0.20	0.2684	-0.1194	0.2246	-0.0054	0	0.00001	0.00003	0.00003	0.00027	0
0.30	0.2351	-0.1178	0.2272	-0.0110	-0.00001	0.00001	0.00002	0.00005	0.00027	0.00001
0.40	0.2138	-0.1168	0.2299	-0.0183	-0.00001	0.00001	0.00001	0.00007	0.00027	0.00001
0.50	0.1978	-0.1173	0.2317	-0.0264	-0.00002	0.00002	0.00001	0.00010	0.00027	0.00001
0.60	0.1844	-0.1193	0.2326	-0.0357	-0.00003	0.00002	0.00000	0.00012	0.00027	0.00002
0.70	0.1711	-0.1221	0.2321	-0.0460	-0.00005	0.00002	-0.00001	0.00014	0.00027	0.00002
0.80	0.1584	-0.1247	0.2303	-0.0569	-0.00006	0.00003	-0.00002	0.00016	0.00027	0.00003
0.90	0.1450	-0.1266	0.2266	-0.0681	-0.00008	0.00004	-0.00003	0.00019	0.00027	0.00003
1.00	0.1294	-0.1274	0.2200	-0.0793	-0.00010	0.00004	-0.00004	0.00021	0.00028	0.00004

TABLE C4. M = 0.70, τ = 0.02

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.5026	0	0.2447	0	0	0	0.00005	0	0.00030	0
0.10	0.3423	-0.1339	0.2500	-0.0033	0	0	0.00004	0.00001	0.00030	0
0.20	0.2636	-0.1457	0.2550	-0.0151	0	0.00001	0.00003	0.00003	0.00030	0.00001
0.30	0.2209	-0.1450	0.2586	-0.0292	-0.00001	0.00001	0.00002	0.00006	0.00030	0.00001
0.40	0.1932	-0.1425	0.2596	-0.0459	-0.00002	0.00001	0.00002	0.00008	0.00030	0.00001
0.50	0.1684	-0.1420	0.2561	-0.0645	-0.00003	0.00002	0.00000	0.00011	0.00030	0.00002
0.60	0.1456	-0.1402	0.2485	-0.0835	-0.00004	0.00002	0	0.00013	0.00030	0.00002
0.70	0.1237	-0.1354	0.2359	-0.1010	-0.00005	0.00003	-0.00000	0.00016	0.00031	0.00003
0.80	0.1037	-0.1268	0.2185	-0.1152	-0.00007	0.00004	-0.00001	0.00019	0.00031	0.00003
0.90	0.0874	-0.1145	0.1984	-0.1241	-0.00009	0.00005	-0.00002	0.00021	0.00031	0.00004
1.00	0.0763	-0.0994	0.1772	-0.1266	-0.00011	0.00006	-0.00003	0.00024	0.00031	0.00005

TABLE C5. M = 0.80, τ = 0.02

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.5982	0	0.2913	0	0	0	0.00006	0	0.00036	0
0.10	0.3452	-0.1898	0.3039	-0.0148	0	0	0.00004	0.00001	0.00036	0
0.20	0.2382	-0.1842	0.3068	-0.0463	0	0.00001	0.00004	0.00004	0.00036	0.00001
0.30	0.1842	-0.1719	0.3022	-0.0835	-0.00001	0.00001	0.00003	0.00007	0.00036	0.00001
0.40	0.1419	-0.1579	0.1382	-0.1202	-0.00002	0.00002	0.00002	0.00011	0.00036	0.00002
0.50	0.1110	-0.1359	0.2447	-0.1462	-0.00003	0.00002	0.00001	0.00013	0.00036	0.00002
0.60	0.0934	-0.1110	0.2032	-0.1550	-0.00004	0.00003	0.00001	0.00016	0.00036	0.00003
0.70	0.0894	-0.0886	0.1669	-0.1462	-0.00006	0.00004	0.00001	0.00019	0.00036	0.00005
0.80	0.0944	-0.0738	0.1450	-0.1265	-0.00008	0.00005	-0.00001	0.00021	0.00036	0.00007
0.90	0.1017	-0.0718	0.1350	-0.1087	-0.00010	0.00006	-0.00002	0.00025	0.00036	0.00009

TABLE C6. M = 0, τ = 0.04

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.5058	0	0.2396	0	0	0	0.00022	0	0.00088	0
0.10	0.4213	-0.0836	0.2394	0.0027	0	0.00002	0.00018	0.00006	0.00087	0.00001
0.20	0.3690	-0.0888	0.2395	0.0053	-0.00001	0.00003	0.00014	0.00014	0.00086	0.00003
0.30	0.3379	-0.0813	0.2395	0.0078	-0.00003	0.00004	0.00011	0.00023	0.00086	0.00005
0.40	0.3179	-0.0713	0.2397	0.0105	-0.00005	0.00006	0.00008	0.00032	0.00086	0.00006
0.50	0.3044	-0.0615	0.2396	0.0132	-0.00009	0.00007	0.00004	0.00041	0.00085	0.00008
0.60	0.2950	-0.0524	0.2396	0.0159	-0.00014	0.00008	-0.00001	0.00050	0.00085	0.00010
0.70	0.2879	-0.0439	0.2396	0.0186	-0.00019	0.00009	-0.00006	0.00058	0.00085	0.00012
0.80	0.2827	-0.0363	0.2397	0.0211	-0.00025	0.00010	-0.00012	0.00068	0.00085	0.00014
0.90	0.2786	-0.0292	0.2396	0.0239	-0.00033	0.00011	-0.00020	0.00076	0.00085	0.00016
1.00	0.2753	-0.0228	0.2395	0.0265	-0.00041	0.00012	-0.00028	0.00085	0.00085	0.00018

TABLE C7. M = 0.50, τ = 0.04

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.5841	0	0.2767	0	0	0	0.00025	0	0.00101	0
0.10	0.4528	-0.1288	0.2786	0.0020	0	0.00002	0.00020	0.00006	0.00100	0.00001
0.20	0.3786	-0.1374	0.2814	0.0014	-0.00001	0.00003	0.00016	0.00016	0.00100	0.00003
0.30	0.3391	-0.1333	0.2841	-0.0000	-0.00003	0.00005	0.00013	0.00026	0.00099	0.00005
0.40	0.3149	-0.1283	0.2870	-0.0026	-0.00007	0.00006	0.00009	0.00037	0.00099	0.00007
0.50	0.2985	-0.1250	0.2900	-0.0052	-0.00011	0.00008	0.00004	0.00049	0.00099	0.00009
0.60	0.2867	-0.1240	0.2929	-0.0089	-0.00017	0.00010	0	0.00060	0.00100	0.00012
0.70	0.2773	-0.1247	0.2956	-0.0133	-0.00023	0.00012	-0.00005	0.00071	0.00100	0.00014
0.80	0.2695	-0.1269	0.2985	-0.0186	-0.00031	0.00014	-0.00012	0.00083	0.00100	0.00016
0.90	0.2612	-0.1305	0.3005	-0.0246	-0.00040	0.00016	-0.00019	0.00095	0.00100	0.00018
1.00	0.2526	-0.1351	0.3021	-0.0312	-0.00050	0.00020	-0.00026	0.00108	0.00101	0.00021

TABLE C8. M = 0.60, τ = 0.04

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.6324	0	0.2995	0	0	0	0.00027	0	0.00110	0
0.10	0.4651	-0.1550	0.3031	0.0005	0	0.00002	0.00021	0.00006	0.00108	0.00001
0.20	0.3798	-0.1642	0.3082	-0.0034	-0.00001	0.00004	0.00017	0.00018	0.00108	0.00003
0.30	0.3337	-0.1606	0.3123	-0.0092	-0.00004	0.00005	0.00014	0.00029	0.00108	0.00006
0.40	0.3047	-0.1578	0.3164	-0.0171	-0.00007	0.00007	0.00010	0.00041	0.00108	0.00008
0.50	0.2834	-0.1574	0.3197	-0.0265	-0.00012	0.00009	0.00006	0.00053	0.00108	0.00010
0.60	0.2657	-0.1593	0.3220	-0.0373	-0.00019	0.00011	0.00000	0.00066	0.00108	0.00013
0.70	0.2485	-0.1625	0.3226	-0.0497	-0.00025	0.00013	-0.00004	0.00078	0.00108	0.00015
0.80	0.2320	-0.1659	0.3214	-0.0630	-0.00034	0.00017	-0.00010	0.00092	0.00109	0.00018
0.90	0.2146	-0.1686	0.3179	-0.0770	-0.00044	0.00021	-0.00016	0.00106	0.00109	0.00020
1.00	0.1943	-0.1702	0.3107	-0.0914	-0.00055	0.00025	-0.00022	0.00119	0.00110	0.00023

TABLE C9. M = 0.70, τ = 0.04

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.7083	0	0.3355	0	0	0	0.00031	0	0.00123	0
0.10	0.4827	-0.1880	0.3429	-0.0023	0	0.00002	0.00023	0.00007	0.00121	0.00001
0.20	0.3737	-0.2014	0.3506	-0.0158	-0.00002	0.00004	0.00018	0.00021	0.00120	0.00004
0.30	0.3152	-0.1988	0.3562	-0.0329	-0.00004	0.00006	0.00015	0.00034	0.00121	0.00007
0.40	0.2772	-0.1947	0.3588	-0.0535	-0.00009	0.00008	0.00010	0.00048	0.00121	0.00009
0.50	0.2440	-0.1935	0.3560	-0.0771	-0.00014	0.00010	0.00007	0.00062	0.00121	0.00012
0.60	0.2134	-0.1912	0.3476	-0.1017	-0.00021	0.00013	0.00002	0.00076	0.00122	0.00014
0.70	0.1837	-0.1852	0.3325	-0.1250	-0.00029	0.00016	-0.00001	0.00090	0.00122	0.00017
0.80	0.1561	-0.1743	0.3111	-0.1444	-0.00038	0.00021	-0.00006	0.00105	0.00123	0.00021
0.90	0.1329	-0.1582	0.2853	-0.1573	-0.00048	0.00027	-0.00011	0.00119	0.00123	0.00025
1.00	0.1162	-0.1380	0.2577	-0.1621	-0.00059	0.00033	-0.00015	0.00133	0.00125	0.00030

TABLE C10. M = 0.80, τ = 0.04

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.8431	0	0.3993	0	0	0	0.00037	0	0.00146	0
0.10	0.4856	-0.2645	0.4160	-0.0167	0	0.00002	0.00025	0.00009	0.00144	0.00002
0.20	0.3406	-0.2554	0.4235	-0.0567	-0.00002	0.00005	0.00021	0.00025	0.00143	0.00005
0.30	0.2649	-0.2381	0.4191	-0.1054	-0.00005	0.00007	0.00017	0.00042	0.00144	0.00007
0.40	0.2068	-0.2189	0.3923	-0.1545	-0.00011	0,00010	0.00014	0.00059	0.00145	0.00011
0.50	0.1634	-0.1895	0.3468	-0.1909	-0.00017	0.00013	0.00011	0.00075	0.00145	0.00014
0.60	0.1373	-0.1555	0.2918	-0.2050	-0.00025	0.00017	0.00008	0.00091	0.00145	0.00019
0.70	0.1297	-0.1236	0.2421	-0.1955	-0.00033	0.00022	0.00005	0.00107	0.00145	0.00024
0.80	0.1352	-0.1009	0.2106	-0.1700	-0.00043	0.00028	0.00000	0.00123	0.00145	0.00032
0.90	0.1452	-0.0950	0.1944	-0.1453	-0.00054	0.00034	-0.00006	0.00138	0.00145	0.00041

TABLE C11. M = 0, τ = 0.06

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.6174	0	0.2843	0	0	0	0.00061	0	0.00199	0
0.10	0.5145	-0.0999	0.2841	0.0047	0	0.00005	0.00051	0.00015	0.00196	0.00003
0.20	0.4510	-0.1044	0.2842	0.0095	-0.00003	0.00009	0.00041	0.00038	0.00194	0.00009
0.30	0.4132	-0.0934	0.2841	0.0142	-0.00007	0.00012	0.00033	0.00063	0.00193	0.00015
0.40	0.3890	-0.0797	0.2842	0.0188	-0.00015	0.00015	0.00023	0.00087	0.00192	0.00021
0.50	0.3727	-0.0660	0.2841	0.0237	-0.00025	0.00018	0.00012	0.00112	0.00191	0.00028
0.60	0.3611	-0.0533	0.2839	0.0284	-0.00037	0.00021	-0.00001	0.00136	0.00191	0.00034
0.70	0.3525	-0.0413	0.2838	0.0333	-0.00052	0.00024	-0.00016	0.00161	0.00190	0.00041
0.80	0.3461	-0.0304	0.2838	0.0379	-0.00070	0.00027	-0.00034	0.00184	0.00190	0.00047
0.90	0.3410	-0.0202	0.2836	0.0427	-0.00090	0.00030	-0.00054	0.00209	0.00189	0.00053
1.00	0.3370	-0.0107	0.2834	0.0474	-0.00112	0.00033	-0.00076	0.00233	0.00189	0.00060

TABLE C12. M = 0.50, τ = 0.06

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.7130	0	0.3282	0	0	0	0.00070	0	0.00230	0
0.10	0.5532	-0.1546	0.3306	0.0044	0	0.00006	0.00055	0.00017	0.00226	0.00003
0.20	0.4634	-0.1630	0.3341	0.0059	-0.00003	0.00010	0.00045	0.00045	0.00224	0.00011
0.30	0.4160	-0.1562	0.3376	0.0062	-0.00009	0.00014	0.00036	0.00074	0.00223	0.00017
0.40	0.3871	-0.1484	0.3411	0.0053	-0.00018	0.00018	0.00026	0.00103	0.00222	0.00024
0.50	0.3680	-0.1427	0.3451	0.0043	-0.00031	0.00022	0.00013	0.00133	0.00222	0.00032
0.60	0.3546	-0.1399	0.3491	0.0020	-0.00045	0.00026	0.00001	0.00163	0.00223	0.00039
0.70	0.3442	-0.1392	0.3529	-0.0011	-0.00064	0.00032	-0.00015	0.00195	0.00224	0.00047
0.80	0.3358	-0.1405	0.3570	-0.0052	-0.00085	0.00038	-0.00031	0.00228	0.00224	0.00054
0.90	0.3272	-0.1436	0.3603	-0.0103	-0.00110	0.00046	-0.00050	0.00262	0.00225	0.00060
1.00	0.3185	-0.1481	0.3632	-0.0161	-0.00137	0.00055	-0.00068	0.00296	0.00226	0.00068

TABLE C13. M = 0.60, τ = 0.06

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.7719	0	0.3554	0	0	0	0.00076	0	0.00249	0
0.10	0.5685	-0.1864	0.3599	0.0030	0	0.00006	0.00058	0.00018	0.00244	0.00003
0.20	0.4654	-0.1956	0.3661	0.0008	-0.00003	0.00010	0.00048	0.00048	0.00242	0.00011
0.30	0.4102	-0.1894	0.3714	-0.0038	-0.00010	0.00014	0.00038	0.00081	0.00242	0.00019
0.40	0.3759	-0.1844	0.3770	-0.0107	-0.00019	0.00019	0.00028	0.00113	0.00242	0.00027
0.50	0.3513	-0.1824	0.3817	-0.0194	-0.00034	0.00024	0.00016	0.00147	0.00242	0.00034
0.60	0.3312	-0.1835	0.3855	-0.0300	-0.00051	0.00030	0.00002	0.00182	0.00243	0.00042
0.70	0.3121	-0.1865	0.3877	-0.0425	-0.00070	0.00037	-0.00011	0.00217	0.00244	0.00050
0.80	0.2936	-0.1902	0.3880	-0.0564	-0.00094	0.00046	-0.00026	0.00254	0.00245	0.00057
0.90	0.2741	-0.1935	0.3856	-0.0713	-0.00120	0.00057	-0.00042	0.00292	0.00246	0.00065
1.00	0.2513	-0.1958	0.3793	-0.0870	-0.00150	0.00071	-0.00058	0.00330	0.00248	0.00073

TABLE C14. M = 0.70, τ = 0.06

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.8646	0	0.3980	0	0	0	0.00085	0	0.00279	0
0.10	0.5895	-0.2282	0.4072	0.0002	0	0.00006	0.00063	0.00020	0.00272	0.00004
0.20	0.4588	-0.2409	0.4170	-0.0128	-0.00002	0.00011	0.00052	0.00056	0.00270	0.00013
0.30	0.3893	-0.2357	0.4247	-0.0302	-0.00012	0.00016	0.00042	0.00093	0.00271	0.00022
0.40	0.3443	-0.2300	0.4292	-0.0521	-0.00024	0.00022	0.00031	0.00131	0.00272	0.00030
0.50	0.3058	-0.2280	0.4281	-0.0777	-0.00039	0.00028	0.00020	0.00169	0.00272	0.00038
0.60	0.2702	-0.2253	0.4207	-0.1051	-0.00057	0.00036	0.00009	0.00209	0.00274	0.00046
0.70	0.2355	-0.2189	0.4057	-0.1316	-0.00080	0.00046	-0.00002	0.00249	0.00276	0.00054
0.80	0.2026	-0.2069	0.3829	-0.1546	-0.00104	0.00059	-0.00013	0.00290	0.00277	0.00063
0.90	0.1742	-0.1888	0.3548	-0.1706	-0.00132	0.00075	-0.00024	0.00329	0.00278	0.00074
1.00	0.1526	-0.1655	0.3237	-0.1779	-0.00160	0.00093	-0.00037	0.00366	0.00280	0.00086

TABLE C15. M = 0.80, τ = 0.06

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.0291	0	0.4738	0	0	0	0.00101	0	0.00332	0
0.10	0.5921	-0.3192	0.4931	-0.0156	0	0.00007	0.00070	0.00024	0.00324	0.00005
0.20	0.4215	-0.3066	0.5061	-0.0590	-0.00006	0.00014	0.00058	0.00070	0.00322	0.00015
0.30	0.3298	-0.2855	0.5029	-0.1140	-0.00015	0.00019	0.00049	0.00114	0.00324	0.00024
0.40	0.2607	-0.2625	0.4753	-0.1706	-0.00029	0.00027	0.00041	0.00160	0.00326	0.00033
0.50	0.2080	-0.2287	0.4253	-0.2145	-0.00046	0.00037	0.00035	0.00207	0.00327	0.00043
0.60	0.1747	-0.1884	0.3625	-0.2337	-0.00068	0.00048	0.00027	0.00251	0.00327	0.00054
0.70	0.1631	-0.1491	0.3036	-0.2253	-0.00090	0.00063	0.00020	0.00293	0.00327	0.00068
0.80	0.1679	-0.1194	0.2642	-0.1972	-0.00116	0.00079	0.00008	0.00335	0.00328	0.00086
0.90	0.1798	-0.1087	0.2425	-0.1676	-0.00145	0.00097	-0.00006	0.00378	0.00329	0.00106

TABLE C16. M = 0, τ = 0.08

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.7105	0	0.3178	0	0	0	0.00125	0	0.00357	0
0.10	0.5924	-0.1124	0.3177	0.0072	0	0.00010	0.00104	0.00031	0.00350	0.00007
0.20	0.5197	-0.1155	0.3177	0.0142	-0.00005	0.00018	0.00086	0.00079	0.00345	0.00021
0.30	0.4764	-0.1009	0.3176	0.0214	-0.00015	0.00025	0.00069	0.00128	0.00342	0.00036
0.40	0.4487	-0.0832	0.3174	0.0285	-0.00031	0.00031	0.00048	0.00178	0.00340	0.00051
0.50	0.4300	-0.0656	0.3172	0.0357	-0.00051	0.00038	0.00026	0.00229	0.00338	0.00066
0.60	0.4167	-0.0490	0.3170	0.0429	-0.00077	0.00043	-0.00001	0.00278	0.00337	0.00081
0.70	0.4068	-0.0335	0.3166	0.0500	-0.00107	0.00050	-0.00032	0.00328	0.00335	0.00096
0.80	0.3993	-0.0191	0.3164	0.0570	-0.00143	0.00055	-0.00068	0.00377	0.00334	0.00111
0.90	0.3934	-0.0055	0.3161	0.0643	-0.00184	0.00062	-0.00109	0.00427	0.00333	0.00126
1.00	0.3885	0.0073	0.3155	0.0714	-0.00229	0.00067	-0.00152	0.00475	0.00332	0.00141

TABLE C17. M = 0.50, τ = 0.08

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.8204	0	0.3669	0	0	0	0.00145	0	0.00413	0
0.10	0.6372	-0.1749	0.3696	0.0073	-0.00001	0.00011	0.00113	0.00033	0.00403	0.00007
0.20	0.5347	-0.1823	0.3737	0.0113	-0.00007	0.00020	0.00093	0.00091	0.00398	0.00024
0.30	0.4810	-0.1724	0.3779	0.0141	-0.00018	0.00028	0.00075	0.00150	0.00395	0.00041
0.40	0.4486	-0.1614	0.3822	0.0156	-0.00037	0.00037	0.00054	0.00210	0.00394	0.00058
0.50	0.4272	-0.1529	0.3868	0.0168	-0.00062	0.00045	0.00031	0.00272	0.00394	0.00075
0.60	0.4132	-0.1478	0.3919	0.0168	-0.00092	0.00055	0.00005	0.00334	0.00395	0.00092
0.70	0.4025	-0.1452	0.3967	0.0158	-0.00130	0.00066	-0.00026	0.00399	0.00397	0.00109
0.80	0.3941	-0.1450	0.4021	0.0136	-0.00174	0.00080	-0.00061	0.00466	0.00398	0.00126
0.90	0.3859	-0.1471	0.4069	0.0103	-0.00224	0.00095	-0.00097	0.00535	0.00400	0.00141
1.00	0.3777	-0.1509	0.4111	0.0062	-0.00280	0.00115	-0.00135	0.00607	0.00401	0.00158

TABLE C18. M = 0.60, τ = 0.08

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.8882	0	0.3972	0	0	0	0.00156	0	0.00447	0
0.10	0.6552	-0.2112	0.4025	0.0062	-0.00001	0.00012	0.00119	0.00036	0.00434	0.00008
0.20	0.5376	-0.2194	0.4097	0.0065	-0.00006	0.00021	0.00099	0.00098	0.00429	0.00026
0.30	0.4753	-0.2103	0.4162	0.0041	-0.00020	0.00030	0.00080	0.00165	0.00428	0.00045
0.40	0.4371	-0.2026	0.4231	-0.0009	-0.00040	0.00039	0.00059	0.00230	0.00428	0.00063
0.50	0.4103	-0.1987	0.4294	-0.0079	-0.00068	0.00050	0.00036	0.00300	0.00429	0.00081
0.60	0.3888	-0.1985	0.4348	-0.0170	-0.00103	0.00062	0.00008	0.00371	0.00431	0.00099
0.70	0.3689	-0.2008	0.4388	-0.0284	-0.00142	0.00077	-0.00018	0.00443	0.00434	0.00116
0.80	0.3496	-0.2045	0.4410	-0.0417	-0.00192	0.00096	-0.00049	0.00520	0.00436	0.00132
0.90	0.3291	-0.2082	0.4406	-0.0564	-0.00245	0.00119	-0.00079	0.00597	0.00438	0.00149
1.00	0.3052	-0.2112	0.4361	-0.0723	-0.00305	0.00148	-0.00111	0.00676	0.00442	0.00167

TABLE C19. M = 0.70, τ = 0.08

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.9949	0	0.4450	0	0	0	0.00176	0	0.00500	0
0.10	0.6789	-0.2610	0.4555	0.0036	-0.00001	0.00012	0.00128	0.00040	0.00484	0.00008
0.20	0.5310	-0.2715	0.4674	-0.0074	-0.00008	0.00023	0.00106	0.00114	0.00480	0.00030
0.30	0.4531	-0.2632	0.4771	-0.0236	-0.00024	0.00033	0.00087	0.00189	0.00481	0.00050
0.40	0.4030	-0.2558	0.4838	-0.0450	-0.00048	0.00044	0.00066	0.00266	0.00482	0.00069
0.50	0.3609	-0.2528	0.4850	-0.0708	-0.00079	0.00058	0.00045	0.00346	0.00485	0.00088
0.60	0.3220	-0.2498	0.4795	-0.0994	-0.00116	0.00075	0.00024	0.00427	0.00489	0.00106
0.70	0.2838	-0.2433	0.4659	-0.1278	-0.00162	0.00096	0.00003	0.00509	0.00492	0.00123
0.80	0.2469	-0.2310	0.4436	-0.1532	-0.00212	0.00124	-0.00018	0.00594	0.00493	0.00142
0.90	0.2142	-0.2119	0.4149	-0.1718	-0.00268	0.00156	-0.00039	0.00673	0.00495	0.00163
1.00	0.1883	-0.1865	0.3821	-0.1816	-0.00326	0.00194	-0.00062	0.00751	0.00498	0.00185

TABLE C20. M = 0.80, τ = 0.08

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.1842	0	0.5297	0	0	0	0.00209	0	0.00595	0
0.10	0.6810	-0.3631	0.5509	-0.0123	-0.00001	0.00014	0.00143	0.00050	0.00574	0.00011
0.20	0.4915	-0.3469	0.5696	-0.0565	-0.00011	0.00028	0.00120	0.00143	0.00571	0.00035
0.30	0.3868	-0.3225	0.5686	-0.1146	-0.00030	0.00039	0.00104	0.00233	0.00576	0.00056
0.40	0.3095	-0.2966	0.5425	-0.1761	-0.00059	0.00055	0.00089	0.00326	0.00581	0.00076
0.50	0.2492	-0.2599	0.4910	-0.2258	-0.00094	0.00076	0.00077	0.00423	0.00583	0.00095
0.60	0.2095	-0.2149	0.4237	-0.2497	-0.00137	0.00101	0.00064	0.00512	0.00583	0.00117
0.70	0.1935	-0.1695	0.3582	-0.2436	-0.00183	0.00132	0.00051	0.00600	0.00584	0.00143
0.80	0.1969	-0.1331	0.3122	-0.2146	-0.00234	0.00165	0.00032	0.00684	0.00585	0.00177
0.90	0.2100	-0.1169	0.2850	-0.1813	-0.00293	0.00204	0.00004	0.00772	0.00588	0.00215

TABLE C21. M = 0, τ = 0.10

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.7916	0	0.3438	0	0	0	0.00220	0	0.00563	0
0.02	0.7631	-0.0564	0.3437	0.0020	0	0.00004	0.00212	0.00002	0.00560	-0.00001
0.04	0.7341	-0.0858	0.3437	0.0039	0	0.00008	0.00204	0.00012	0.00557	0.00001
0.06	0.7071	-0.1041	0.3438	0.0058	0	0.00012	0.00196	0.00024	0.00554	0.00005
0.08	0.6825	-0.1155	0.3437	0.0078	0	0.00015	0.00189	0.00038	0.00551	0.00009
0.10	0.6604	-0.1224	0.3437	0.0098	0	0.00018	0.00183	0.00054	0.00548	0.00014
0.12	0.6406	-0.1260	0.3437	0.0118	-0.00001	0.00021	0.00176	0.00069	0.00546	0.00019
0.14	0.6228	-0.1274	0.3437	0.0138	-0.00003	0.00024	0.00169	0.00086	0.00544	0.00024
0.16	0.6069	-0.1272	0.3436	0.0157	-0.00004	0.00027	0.00164	0.00102	0.00542	0.00029
0.18	0.5926	-0.1258	0.3436	0.0176	-0.00006	0.00029	0.00158	0.00119	0.00541	0.00035
0.20	0.5798	-0.1235	0.3436	0.0195	-0.00009	0.00032	0.00151	0.00137	0.00539	0.00041
0.22	0.5683	-0.1205	0.3436	0.0215	-0.00011	0.00034	0.00146	0.00154	0.00538	0.00046
0.24	0.5578	-0.1171	0.3436	0.0234	-0.00014	0.00037	0.00140	0.00171	0.00536	0.00052
0.26	0.5483	-0.1133	0.3434	0.0254	-0.00018	0.00039	0.00134	0.00188	0.00535	0.00058
0.28	0.5396	-0.1093	0.3434	0.0274	-0.00022	0.00042	0.00128	0.00206	0.00534	0.00064
0.30	0.5318	-0.1051	0.3434	0.0293	-0.00026	0.00044	0.00122	0.00224	0.00533	0.00070
0.32	0.5246	-0.1008	0.3434	0.0313	-0.00031	0.00046	0.00114	0.00241	0.00532	0.00075
0.34	0.5180	-0.0965	0.3433	0.0332	-0.00036	0.00048	0.00108	0.00258	0.00531	0.00081
0.36	0.5119	-0.0921	0.3433	0.0352	-0.00041	0.00051	0.00101	0.00276	0.00530	0.00087
0.38	0.5063	-0.0876	0.3432	0.0372	-0.00047	0.00053	0.00094	0.00293	0.00530	0.00093
0.40	0.5011	-0.0832	0.3432	0.0391	-0.00053	0.00055	0.00086	0.00310	0.00529	0.00099
0.42	0.4963	-0.0788	0.3430	0.0411	-0.00059	0.00057	0.00079	0.00328	0.00528	0.00105
0.44	0.4919	-0.0744	0.3430	0.0431	-0.00066	0.00059	0.00072	0.00345	0.00527	0.00111
0.46	0.4878	-0.0701	0.3429	0.0450	-0.00073	0.00061	0.00064	0.00362	0.00527	0.00117
0.48	0.4839	-0.0658	0.3429	0.0470	-0.00081	0.00064	0.00055	0.00381	0.00526	0.00123
0.50	0.4803	-0.0615	0.3427	0.0489	-0.00089	0.00066	0.00047	0.00398	0.00525	0.00129
0.52	0.4770	-0.0573	0.3427	0.0508	-0.00097	0.00068	0.00038	0.00415	0.00525	0.00135
0.54	0.4738	-0.0531	0.3426	0.0528	-0.00105	0.00070	0.00029	0.00433	0.00524	0.00140
0.56	0.4708	-0.0490	0.3425	0.0548	-0.00114	0.00072	0.00020	0.00450	0.00523	0.00146
0.58	0.4681	-0.0450	0.3425	0.0567	-0.00123	0.00074	0.00010	0.00467	0.00523	0.00152
0.60	0.4655	-0.0410	0.3423	0.0587	-0.00133	0.00076	0.00000	0.00484	0.00522	0.00158
0.64	0.4607	-0.0331	0.3422	0.0626	-0.00153	0.00081	-0.00020	0.00519	0.00521	0.00170
0.68	0.4564	-0.0254	0.3419	0.0666	-0.00175	0.00085	-0.00042	0.00553	0.00520	0.00181
0.72	0.4525	-0.0179	0.3416	0.0704	-0.00198	0.00089	-0.00065	0.00587	0.00519	0.00193
0.76	0.4491	-0.0106	0.3415	0.0744	-0.00222	0.00093	-0.00089	0.00621	0.00517	0.00205
0.80	0.4459	-0.0035	0.3412	0.0782	-0.00248	0.00097	-0.00115	0.00656	0.00516	0.00216
0.84	0.4430	0.0035	0.3410	0.0821	-0.00276	0.00102	-0.00142	0.00691	0.00515	0.00228
0.88	0.4404	0.0103	0.3407	0.0861	-0.00304	0.00106	-0.00170	0.00725	0.00514	0.00239
0.92	0.4379	0.0170	0.3404	0.0901	-0.00334	0.00110	-0.00199	0.00759	0.00512	0.00251
0.96	0.4356	0.0236	0.3401	0.0940	-0.00365	0.00114	-0.00229	0.00793	0.00511	0.00263
1.00	0.4335	0.0300	0.3397	0.0979	-0.00398	0.00118	-0.00261	0.00827	0.00510	0.00274

TABLE C22. M = 0.50, τ = 0.10

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.9141	0	0.3969	0	0	0	0.00254	0	0.00650	0
0.02	0.8689	-0.0910	0.3973	0.0025	0	0.00005	0.00241	-0.00000	0.00645	-0.00003
0.04	0.8232	-0.1368	0.3976	0.0049	0	0.00009	0.00230	0.00009	0.00640	-0.00001
0.06	0.7814	-0.1650	0.3983	0.0069	0	0.00013	0.00219	0.00023	0.00636	0.00003
0.08	0.7439	-0.1818	0.3991	0.0089	0	0.00017	0.00210	0.00040	0.00633	0.00008
0.10	0.7107	-0.1915	0.3999	0.0105	-0.00001	0.00020	0.00200	0.00058	0.00630	0.00014
0.12	0.6816	-0.1967	0.4009	0.0121	-0.00001	0.00023	0.00193	0.00076	0.00627	0.00020
0.14	0.6561	-0.1991	0.4018	0.0136	-0.00003	0.00026	0.00185	0.00096	0.00624	0.00027
0.16	0.6338	-0.1996	0.4028	0.0151	-0.00005	0.00029	0.00178	0.00115	0.00622	0.00033
0.18	0.6143	-0.1988	0.4035	0.0164	-0.00008	0.00032	0.00172	0.00136	0.00621	0.00040
0.20	0.5974	-0.1972	0.4045	0.0177	-0.00011	0.00035	0.00165	0.00157	0.00620	0.00047
0.22	0.5827	-0.1951	0.4054	0.0190	-0.00014	0.00038	0.00159	0.00178	0.00618	0.00053
0.24	0.5697	-0.1926	0.4063	0.0201	-0.00017	0.00041	0.00152	0.00198	0.00617	0.00060
0.26	0.5582	-0.1899	0.4073	0.0211	-0.00021	0.00044	0.00146	0.00220	0.00617	0.00067
0.28	0.5478	-0.1869	0.4082	0.0222	-0.00026	0.00046	0.00140	0.00240	0.00616	0.00073
0.30	0.5384	-0.1838	0.4092	0.0233	-0.00031	0.00049	0.00133	0.00260	0.00615	0.00080
0.32	0.5300	-0.1807	0.4102	0.0242	-0.00037	0.00052	0.00126	0.00282	0.00615	0.00087
0.34	0.5222	-0.1777	0.4112	0.0252	-0.00044	0.00055	0.00119	0.00302	0.00614	0.00094
0.36	0.5153	-0.1748	0.4122	0.0262	-0.00050	0.00058	0.00113	0.00324	0.00614	0.00100
0.38	0.5090	-0.1720	0.4133	0.0270	-0.00057	0.00061	0.00105	0.00344	0.00614	0.00107
0.40	0.5032	-0.1694	0.4142	0.0277	-0.00064	0.00064	0.00098	0.00366	0.00613	0.00113
0.42	0.4979	-0.1668	0.4154	0.0285	-0.00071	0.00067	0.00091	0.00387	0.00613	0.00120
0.44	0.4931	-0.1643	0.4163	0.0293	-0.00079	0.00070	0.00083	0.00408	0.00613	0.00127
0.46	0.4886	-0.1620	0.4174	0.0302	-0.00088	0.00073	0.00075	0.00429	0.00613	0.00134
0.48	0.4845	-0.1598	0.4185	0.0310	-0.00098	0.00076	0.00066	0.00451	0.00613	0.00140
0.50	0.4808	-0.1578	0.4197	0.0317	-0.00107	0.00079	0.00057	0.00472	0.00613	0.00146
0.52	0.4773	-0.1559	0.4207	0.0323	-0.00117	0.00083	0.00048	0.00494	0.00614	0.00153
0.54	0.4741	-0.1542	0.4220	0.0330	-0.00127	0.00086	0.00039	0.00516	0.00614	0.00160
0.56	0.4712	-0.1526	0.4231	0.0335	-0.00138	0.00089	0.00031	0.00537	0.00614	0.00166
0.58	0.4684	-0.1512	0.4243	0.0340	-0.00149	0.00093	0.00021	0.00559	0.00615	0.00172
0.60	0.4659	-0.1499	0.4255	0.0344	-0.00160	0.00096	0.00012	0.00581	0.00615	0.00179
0.64	0.4613	-0.1476	0.4280	0.0352	-0.00185	0.00104	-0.00008	0.00626	0.00616	0.00192
0.68	0.4572	-0.1458	0.4303	0.0358	-0.00212	0.00112	-0.00030	0.00672	0.00617	0.00206
0.72	0.4536	-0.1444	0.4329	0.0363	-0.00240	0.00120	-0.00052	0.00717	0.00617	0.00218
0.76	0.4503	-0.1434	0.4354	0.0365	-0.00270	0.00130	-0.00075	0.00764	0.00618	0.00231
0.80	0.4474	-0.1429	0.4382	0.0365	-0.00302	0.00140	-0.00099	0.00811	0.00619	0.00244
0.84	0.4445	-0.1428	0.4406	0.0364	-0.00335	0.00150	-0.00122	0.00859	0.00620	0.00256
0.88	0.4416	-0.1431	0.4431	0.0360	-0.00371	0.00162	-0.00148	0.00908	0.00621	0.00268
0.92	0.4387	-0.1438	0.4455	0.0355	-0.00408	0.00174	-0.00173	0.00957	0.00622	0.00280
0 96	0.4358	-0.1448	0.4478	0.0348	-0.00445	0.00188	-0.00198	0.01007	0.00624	0.00293
1.00	0.4329	-0.1461	0.4501	0.0339	-0.00487	0.00203	-0.00226	0.01057	0.00625	0.00305

TABLE C23. M = 0.60, τ = 0.10

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.9896	0	0.4297	0	0	0	0.00274	0	0.00704	0
0.02	0.9310	-0.1149	0.4301	0.0029	0	0.00005	0.00259	-0.00002	0.00698	-0.00004
0.04	0.8722	-0.1708	0.4310	0.0053	0	0.00009	0.00244	0.00007	0.00692	-0.00002
0.06	0.8187	-0.2030	0.4322	0.0072	0	0.00014	0.00232	0.00023	0.00687	0.00003
0.08	0.7717	-0.2213	0.4339	0.0086	0	0.00018	0.00221	0.00041	0.00683	0.00009
0.10	0.7310	-0.2317	0.4356	0.0098	-0.00001	0.00021	0.00210	0.00061	0.00679	0.00015
0.12	0.6963	-0.2374	0.4372	0.0109	-0.00002	0.00025	0.00202	0.00082	0.00676	0.00021
0.14	0.6667	-0.2400	0.4388	0.0117	-0.00003	0.00028	0.00194	0.00104	0.00673	0.00028
0.16	0.6416	-0.2406	0.4404	0.0123	-0.00005	0.00031	0.00188	0.00126	0.00671	0.00035
0.18	0.6203	-0.2399	0.4420	0.0128	-0.00008	0.00034	0.00181	0.00149	0.00670	0.00042
0.20	0.6013	-0.2382	0.4436	0.0133	-0.00011	0.00037	0.00174	0.00171	0.00669	0.00050
0.22	0.5844	-0.2360	0.4452	0.0135	-0.00015	0.00040	0.00167	0.00194	0.00668	0.00058
0.24	0.5693	-0.2335	0.4466	0.0136	-0.00020	0.00043	0.00161	0.00217	0.00668	0.00065
0.26	0.5559	-0.2309	0.4483	0.0137	-0.00025	0.00046	0.00154	0.00240	0.00667	0.00072
0.28	0.5440	-0.2283	0.4499	0.0137	-0.00030	0.00049	0.00148	0.00262	0.00667	0.00080
0.30	0.5332	-0.2258	0.4514	0.0136	-0.00035	0.00052	0.00141	0.00286	0.00667	0.00087
0.32	0.5234	-0.2233	0.4530	0.0134	-0.00041	0.00055	0.00134	0.00308	0.00667	0.00094
0.34	0.5145	-0.2209	0.4546	0.0130	-0.00047	0.00058	0.00127	0.00332	0.00667	0.00101
0.36	0.5064	-0.2188	0.4562	0.0126	-0.00054	0.00061	0.00121	0.00354	0.00667	0.00108
0.38	0.4989	-0.2169	0.4577	0.0120	-0.00061	0.00064	0.00114	0.00378	0.00667	0.00115
0.40	0.4920	-0.2151	0.4594	0.0115	-0.00069	0.00068	0.00106	0.00401	0.00667	0.00122
0.42	0.4856	-0.2134	0.4610	0.0108	-0.00078	0.00072	0.00099	0.00425	0.00667	0.00129
0.44	0.4796	-0.2119	0.4625	0.0100	-0.00087	0.00075	0.00091	0.00448	0.00667	0.00136
0.46	0.4741	-0.2107	0.4642	0.0091	-0.00097	0.00079	0.00083	0.00472	0.00668	0.00143
0.48	0.4688	-0.2097	0.4657	0.0080	-0.00107	0.00083	0.00074	0.00496	0.00668	0.00150
0.50	0.4638	-0.2088	0.4672	0.0069	-0.00118	0.00087	0.00066	0.00520	0.00669	0.00157
0.52	0.4590	-0.2081	0.4687	0.0057	-0.00129	0.00091	0.00057	0.00544	0.00670	0.00164
0.54	0.4545	-0.2076	0.4702	0.0045	-0.00141	0.00095	0.00048	0.00569	0.00670	0.00170
0.56	0.4501	-0.2072	0.4716	0.0031	-0.00153	0.00099	0.00039	0.00593	0.00671	0.00177
0.58	0.4459	-0.2070	0.4731	0.0016	-0.00165	0.00104	0.00030	0.00619	0.00672	0.00184
0.60	0.4417	-0.2069	0.4745	0	-0.00178	0.00109	0.00021	0.00644	0.00673	0.00191
0.64	0.4337	-0.2071	0.4771	-0.0034	-0.00204	0.00119	0.00003	0.00694	0.00675	0.00204
0.68	0.4257	-0.2077	0.4794	-0.0073	-0.00232	0.00130	-0.00016	0.00746	0.00676	0.00217
0.72	0.4178	-0.2087	0.4816	-0.0115	-0.00263	0.00142	-0.00035	0.00799	0.00678	0.00230
0.76	0.4100	-0.2099	0.4834	-0.0161	-0.00297	0.00155	-0.00055	0.00851	0.00680	0.00242
0.80	0.4023	-0.2115	0.4850	-0.0211	-0.00332	0.00169	-0.00076	0.00904	0.00681	0.00255
0.84	0.3944	-0.2130	0.4862	-0.0264	-0.00368	0.00185	-0.00096	0.00958	0.00683	0.00268
0.88	0.3861	-0.2146	0.4868	-0.0319	-0.00406	0.00202	-0.00117	0.01013	0.00685	0.00280
0.92	0.3771	-0.2162	0.4868	-0.0377	-0.00445	0.00220	-0.00137	0.01068	0.00687	0.00292
0.96	0.3676	-0.2176	0.4860	-0.0437	-0.00486	0.00240	-0.00158	0.01124	0.00689	0.00305
1.00	0.3576	-0.2190	0.4847	-0.0500	-0.00529	0.00262	-0.00179	0.01178	0.00691	0.00318

TABLE C24. M = 0.70, τ = 0.10

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.1085	0	0.4814	0	0	0	0.00308	0	0.00788	0
0.02	1.0246	-0.1531	0.4823	0.0055	0	0.00006	0.00285	-0.00006	0.00777	-0.00005
0.04	0.9429	-0.2170	0.4843	0.0116	0	0.00011	0.00267	0.00006	0.00770	-0.00004
0.06	0.8712	-0.2558	0.4870	0.0114	0	0.00015	0.00252	0.00023	0.00764	0.00002
0.08	0.8095	-0.2783	0.4901	0.0091	0	0.00019	0.00238	0.00045	0.00760	0.00008
0.10	0.7571	-0.2888	0.4931	0.0076	-0.00001	0.00022	0.00226	0.00069	0.00756	0.00016
0.12	0.7129	-0.2952	0.4961	0.0054	-0.00003	0.00026	0.00217	0.00094	0.00754	0.00024
0.14	0.6757	-0.2983	0.4989	0.0035	-0.00005	0.00029	0.00209	0.00119	0.00752	0.00033
0.16	0.6446	-0.2989	0.5017	0.0024	-0.00007	0.00033	0.00201	0.00145	0.00750	0.00042
0.18	0.6182	-0.2978	0.5043	0.0013	-0.00010	0.00036	0.00195	0.00171	0.00749	0.00050
0.20	0.5950	-0.2961	0.5069	-0.0003	-0.00014	0.00040	0.00187	0.00197	0.00748	0.00058
0.22	0.5740	-0.2943	0.5094	-0.0026	-0.00019	0.00044	0.00180	0.00223	0.00748	0.00066
0.24	0.5552	-0.2919	0.5120	-0.0052	-0.00023	0.00047	0.00174	0.00248	0.00748	0.00074
0.26	0.5385	-0.2894	0.5143	-0.0080	-0.00028	0.00050	0.00168	0.00275	0.00748	0.00082
0.28	0.5236	-0.2869	0.5164	-0.0110	-0.00034	0.00054	0.00161	0.00301	0.00748	0.00090
0.30	0.5104	-0.2844	0.5186	-0.0143	-0.00041	0.00058	0.00154	0.00328	0.00749	0.00097
0.32	0.4981	-0.2821	0.5205	-0.0176	-0.00048	0.00061	0.00148	0.00354	0.00749	0.00105
0.34	0.4869	-0.2801	0.5225	-0.0215	-0.00056	0.00066	0.00140	0.00381	0.00750	0.00112
0.36	0.4763	-0.2782	0.5245	-0.0254	-0.00065	0.00070	0.00133	0.00408	0.00751	0.00120
0.38	0.4662	-0.2765	0.5262	-0.0295	-0.00074	0.00074	0.00127	0.00435	0.00752	0.00127
0.40	0.4565	-0.2750	0.5276	-0.0339	-0.00083	0.00078	0.00119	0.00462	0.00753	0.00134
0.42	0.4471	-0.2738	0.5289	-0.0385	-0.00093	0.00083	0.00112	0.00489	0.00754	0.00142
0.44	0.4380	-0.2729	0.5300	-0.0432	-0.00103	0.00087	0.00105	0.00517	0.00755	0.00149
0.46	0.4291	-0.2721	0.5308	-0.0482	-0.00114	0.00092	0.00099	0.00545	0.00756	0.00156
0.48	0.4204	-0.2714	0.5312	-0.0534	-0.00125	0.00097	0.00091	0.00572	0.00757	0.00163
0.50	0.4120	-0.2708	0.5315	-0.0587	-0.00136	0.00102	0.00085	0.00600	0.00758	0.00170
0.52	0.4038	-0.2702	0.5316	-0.0642	-0.00149	0.00108	0.00077	0.00629	0.00760	0.00177
0.54	0.3955	-0.2696	0.5313	-0.0698	-0.00161	0.00113	0.00070	0.00656	0.00761	0.00184
0.56	0.3873	-0.2690	0.5307	-0.0755	-0.00174	0.00119	0.00064	0.00684	0.00762	0.00190
0.58	0.3792	-0.2683	0.5299	-0.0812	-0.00188	0.00125	0.00057	0.00713	0.00764	0.00197
0.60	0.3710	-0.2675	0.5287	-0.0871	-0.00201	0.00132	0.00050	0.00742	0.00765	0.00203
0.64	0.3547	-0.2655	0.5252	-0.0989	-0.00232	0.00147	0.00036	0.00800	0.00768	0.00216
0.68	0.3384	-0.2628	0.5204	-0.1107	-0.00263	0.00163	0.00022	0.00858	0.00770	0.00229
0.72	0.3222	-0.2591	0.5141	-0.1219	-0.00297	0.00181	0.00008	0.00916	0.00772	0.00242
0.76	0.3062	-0.2545	0.5063	-0.1330	-0.00330	0.00200	-0.00004	0.00974	0.00773	0.00255
0.80	0.2905	-0.2490	0.4969	-0.1434	-0.00366	0.00220	-0.00017	0.01033	0.00774	0.00268
0.84	0.2754	-0.2421	0.4866	-0.1525	-0.00404	0.00243	-0.00031	0.01088	0.00775	0.00282
0.88	0.2610	-0.2340	0.4750	-0.1606	-0.00442	0.00266	-0.00044	0.01144	0.00776	0.00296
0.92	0.2475	-0.2247	0.4625	-0.1673	-0.00482	0.00291	-0.00057	0.01200	0.00778	0.00311
0.96	0.2352	-0.2143	0.4494	-0.1725	-0.00522	0.00318	-0.00071	0.01256	0.00779	0.00326
1.00	0.2242	-0.2028	0.4358	-0.1764	-0.00562	0.00346	-0.00086	0.01308	0.00780	0.00342

TABLE C25. M = 0.80, τ = 0.10

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.3194	0	0.5730	0	0	0	0.00366	0	0.00938	0
0.02	1.1660	-0.2471	0.5695	0.0043	0	0.00006	0.00331	-0.00015	0.00926	-0.00011
0.04	1.0340	-0.3448	0.5737	0.0053	0	0.00012	0.00303	0.00001	0.00916	-0.00008
0.06	0.9250	-0.3856	0.5805	0.0031	0	0.00017	0.00282	0.00026	0.00907	0
0.08	0.8350	-0.3986	0.5887	-0.0017	0	0.00021	0.00266	0.00054	0.00900	0.00009
0.10	0.7588	-0.3999	0.5956	-0.0078	-0.00001	0.00025	0.00252	0.00085	0.00896	0.00020
0.12	0.7074	-0.3970	0.6068	-0.0147	-0.00003	0.00030	0.00242	0.00117	0.00892	0.00030
0.14	0.6618	-0.3927	0.6142	-0.0227	-0.00006	0.00035	0.00234	0.00149	0.00890	0.00040
0.16	0.6215	-0.3884	0.6180	-0.0314	-0.00010	0.00040	0.00226	0.00182	0.00890	0.00050
0.18	0.5859	-0.3844	0.6193	-0.0406	-0.00014	0.00044	0.00219	0.00214	0.00890	0.00059
0.20	0.5545	-0.3799	0.6203	-0.0507	-0.00019	0.00048	0.00212	0.00246	0.00891	0.00068
0.22	0.5267	-0.3743	0.6219	-0.0615	-0.00024	0.00052	0.00207	0.00278	0.00892	0.00077
0.24	0.5019	-0.3681	0.6232	-0.0728	-0.00030	0.00056	0.00201	0.00309	0.00894	0.00086
0.26	0.4794	-0.3625	0.6238	-0.0846	-0.00037	0.00060	0.00195	0.00341	0.00896	0.00094
0.28	0.4585	-0.3573	0.6234	-0.0969	-0.00044	0.00065	0.00190	0.00373	0.00898	0.00102
0.30	0.4391	-0.3524	0.6221	-0.1096	-0.00052	0.00069	0.00185	0.00405	0.00900	0.00109
0.32	0.4203	-0.3472	0.6196	-0.1224	-0.00061	0.00074	0.00179	0.00438	0.00902	0.00117
0.34	0.4033	-0.3417	0.6163	-0.1352	-0.00070	0.00080	0.00175	0.00471	0.00904	0.00124
0.36	0.3867	-0.3359	0.6118	-0.1481	-0.00080	0.00086	0.00171	0.00503	0.00906	0.00131
0.38	0.3707	-0.3301	0.6060	-0.1611	-0.00090	0.00092	0.00167	0.00536	0.00908	0.00138
0.40	0.3554	-0.3242	0.5991	-0.1739	-0.00101	0.00098	0.00162	0.00568	0.00910	0.00145
0.42	0.3407	-0.3174	0.5910	-0.1863	-0.00112	0.00105	0.00159	0.00601	0.00911	0.00152
0.44	0.3267	-0.3102	0.5818	-0.1980	-0.00124	0.00112	0.00155	0.00634	0.00913	0.00159
0.46	0.3133	-0.3025	0.5716	-0.2089	-0.00136	0.00119	0.00152	0.00666	0.00914	0.00166
0.48	0.3007	-0.2943	0.5604	-0.2190	-0.00149	0.00127	0.00148	0.00700	0.00914	0.00172
0.50	0.2888	-0.2856	0.5483	-0.2283	-0.00162	0.00135	0.00145	0.00733	0.00915	0.00179
0.52	0.2778	-0.2765	0.5354	-0.2363	-0.00176	0.00143	0.00142	0.00764	0.00915	0.00186
0.54	0.2676	-0.2671	0.5218	-0.2433	-0.00190	0.00152	0.00139	0.00796	0.00916	0.00193
0.56	0.2585	-0.2573	0.5078	-0.2491	-0.00205	0.00161	0.00135	0.00827	0.00916	0.00200
0.58	0.2503	-0.2472	0.4933	-0.2536	-0.00220	0.00170	0.00132	0.00859	0.00916	0.00208
0.60	0.2431	-0.2370	0.4786	-0.2569	-0.00235	0.00180	0.00128	0.00890	0.00916	0.00216
0.64	0.2318	-0.2165	0.4494	-0.2593	-0.00265	0.00201	0.00122	0.00949	0.00916	0.00233
0.68	0.2247	-0.1962	0.4216	-0.2567	-0.00298	0.00223	0.00114	0.01010	0.00916	0.00251
0.72	0.2213	-0.1768	0.3963	-0.2496	-0.00330	0.00247	0.00105	0.01071	0.00916	0.00271
0.76	0.2213	-0.1590	0.3745	-0.2386	-0.00365	0.00271	0.00093	0.01129	0.00917	0.00293
0.80	0.2239	-0.1436	0.3566	-0.2249	-0.00402	0.00295	0.00081	0.01187	0.00918	0.00315
0.84	0.2285	-0.1323	0.3423	-0.2103	-0.00441	0.00323	0.00066	0.01248	0.00920	0.00339
0.88	0.2344	-0.1243	0.3301	-0.1957	-0.00481	0.00350	0.00049	0.01308	0.00922	0.00364

TABLE C26. M = 0, τ = 0.15

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	0.9610	0	0.3864	0	0	0	0.00613	0	0.01294	0
0.10	0.8027	-0.1400	0.3864	0.0171	0	0.00051	0.00510	0.00144	0.01244	0.00046
0.20	0.7061	-0.1342	0.3859	0.0342	-0.00023	0.00089	0.00425	0.00370	0.01213	0.00136
0.30	0.6485	-0.1053	0.3855	0.0514	-0.00075	0.00122	0.00341	0.00607	0.01192	0.00234
0.40	0.6116	-0.0723	0.3847	0.0685	-0.00143	0.00153	0.00250	0.00845	0.01176	0.00332
0.50	0.5864	-0.0397	0.3837	0.0856	-0.00241	0.00183	0.00144	0.01082	0.01162	0.00430
0.60	0.5682	-0.0085	0.3825	0.1027	-0.00361	0.00212	0.00019	0.01318	0.01149	0.00528
0.70	0.5543	0.0212	0.3811	0.1199	-0.00506	0.00242	-0.00124	0.01553	0.01136	0.00626
0.80	0.5433	0.0494	0.3795	0.1370	-0.00675	0.00271	-0.00289	0.01787	0.01122	0.00723
0.90	0.5342	0.0765	0.3777	0.1541	-0.00868	0.00301	-0.00475	0.02020	0.01108	0.00820
1.00	0.5264	0.1025	0.3756	0.1713	-0.01083	0.00330	-0.00679	0.02252	0.01093	0.00916

TABLE C27. M = 0.50, τ = 0.15

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.1097	0	0.4463	0	0	0	0.00707	0	0.01494	0
0.10	0.8649	-0.2223	0.4497	0.0197	-0.00001	0.00055	0.00560	0.00154	0.01424	0.00046
0.20	0.7300	-0.2215	0.4552	0.0358	-0.00028	0.00098	0.00465	0.00424	0.01390	0.00155
0.30	0.6610	-0.1981	0.4611	0.0500	-0.00083	0.00136	0.00379	0.00706	0.01374	0.00267
0.40	0.6207	-0.1739	0.4675	0.0632	-0.00171	0.00177	0.00286	0.00992	0.01367	0.00379
0.50	0.5964	-0.1532	0.4745	0.0757	-0.00287	0.00219	0.00181	0.01282	0.01365	0.00490
0.60	0.5815	-0.1371	0.4824	0.0870	-0.00433	0.00269	0.00061	0.01581	0.01367	0.00599
0.70	0.5723	-0.1248	0.4908	0.0973	-0.00609	0.00324	-0.00074	0.01889	0.01370	0.00707
0.80	0.5666	-0.1162	0.5003	0.1063	-0.00818	0.00393	-0.00224	0.02210	0.01375	0.00814
0.90	0.5629	-0.1111	0.5101	0.1138	-0.01056	0.00474	-0.00385	0.02542	0.01382	0.00917
1.00	0.5598	-0.1092	0.5197	0.1199	-0.01325	0.00574	-0.00555	0.02886	0.01389	0.01019

TABLE C28. M = 0.60, τ = 0.15

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.2013	0	0.4830	0	0	0	0.00765	0	0.01617	0
0.10	0.8905	-0.2703	0.4902	0.0204	-0.00001	0.00059	0.00588	0.00163	0.01533	0.00048
0.20	0.7368	-0.2701	0.5001	0.0334	-0.00030	0.00103	0.00489	0.00463	0.01499	0.00167
0.30	0.6578	-0.2481	0.5103	0.0427	-0.00094	0.00145	0.00403	0.00772	0.01490	0.00290
0.40	0.6118	-0.2286	0.5211	0.0497	-0.00187	0.00191	0.00311	0.01089	0.01489	0.00408
0.50	0.5823	-0.2151	0.5326	0.0537	-0.00317	0.00243	0.00209	0.01415	0.01495	0.00524
0.60	0.5607	-0.2075	0.5445	0.0551	-0.00479	0.00306	0.00095	0.01752	0.01506	0.00636
0.70	0.5427	-0.2047	0.5559	0.0534	-0.00670	0.00383	-0.00022	0.02102	0.01519	0.00745
0.80	0.5255	-0.2058	0.5666	0.0483	-0.00896	0.00479	-0.00146	0.02465	0.01532	0.00848
0.90	0.5071	-0.2092	0.5751	0.0402	-0.01149	0.00598	-0.00269	0.02838	0.01547	0.00947
1.00	0.4853	-0.2137	0.5805	0.0293	-0.01429	0.00746	-0.00394	0.03220	0.01559	0.01047

TABLE C29. M = 0.70, τ = 0.15

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.3457	0	0.5410	0	0	0	0.00858	0	0.01811	0
0.10	0.9216	-0.3431	0.5555	0.0198	-0.00001	0.00062	0.00632	0.00182	0.01704	0.00052
0.20	0.7322	-0.3398	0.5734	0.0224	-0.00037	0.00112	0.00526	0.00529	0.01675	0.00190
0.30	0.6360	-0.3183	0.5899	0.0174	-0.00109	0.00162	0.00442	0.00886	0.01675	0.00322
0.40	0.5762	-0.3030	0.6052	0.0060	-0.00220	0.00218	0.00358	0.01251	0.01690	0.00446
0.50	0.5293	-0.2949	0.6169	-0.0123	-0.00365	0.00287	0.00273	0.01628	0.01708	0.00563
0.60	0.4864	-0.2904	0.6224	-0.0367	-0.00542	0.00375	0.00192	0.02017	0.01730	0.00671
0.70	0.4431	-0.2846	0.6199	-0.0644	-0.00752	0.00488	0.00117	0.02415	0.01750	0.00772
0.80	0.3989	-0.2740	0.6070	-0.0926	-0.00983	0.00629	0.00049	0.02811	0.01763	0.00870
0.90	0.3558	-0.2555	0.5846	-0.1169	-0.01234	0.00799	-0.00014	0.03194	0.01772	0.00970
1.00	0.3172	-0.2280	0.5546	-0.1347	-0.01500	0.00996	-0.00084	0.03569	0.01775	0.01074

TABLE C30. M = 0.80, τ = 0.15

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.6017	0	0.6441	0	0	0	0.01020	0	0.02156	0
0.10	0.9239	-0.4712	0.6698	0.0076	-0.00002	0.00070	0.00704	0.00224	0.02009	0.00064
0.20	0.6926	-0.4409	0.7088	-0.0260	-0.00049	0.00130	0.00600	0.00657	0.01997	0.00224
0.30	0.5576	-0.4062	0.7195	-0.0803	-0.00138	0.00194	0.00536	0.01095	0.02024	0.00361
0.40	0.4632	-0.3735	0.7082	-0.1454	-0.00269	0.00277	0.00490	0.01538	0.02058	0.00475
0.50	0.3847	-0.3327	0.6657	-0.2071	-0.00431	0.00384	0.00466	0.01982	0.02082	0.00576
0.60	0.3259	-0.2786	0.5975	-0.2462	-0.00621	0.00517	0.00451	0.02407	0.02092	0.00677
0.70	0.2936	-0.2176	0.5215	-0.2522	-0.00828	0.00676	0.00434	0.02812	0.02093	0.00793
0.80	0.2875	-0.1605	0.4583	-0.2276	-0.01055	0.00854	0.00391	0.03203	0.02099	0.00932
0.90	0.3010	-0.1226	0.4140	-0.1877	-0.01307	0.01061	0.00329	0.03606	0.02122	0.01082

TABLE C31. M = 0, τ = 0.20

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.0996	0	0.4074	0	0	0	0.01272	0	0.02350	0
0.02	1.0602	-0.0741	0.4074	0.0050	0.00001	0.00025	0.01226	0.00009	0.02325	-0.00007
0.04	1.0204	-0.1108	0.4074	0.0101	0.00002	0.00047	0.01181	0.00059	0.02299	0.00011
0.06	0.9834	-0.1323	0.4074	0.0150	0.00003	0.00068	0.01137	0.00127	0.02275	0.00037
0.08	0.9498	-0.1445	0.4073	0.0200	0.00001	0.00088	0.01096	0.00204	0.02254	0.00070
0.10	0.9197	-0.1505	0.4072	0.0250	-0.00001	0.00106	0.01058	0.00288	0.02234	0.00107
0.12	0.8928	-0.1522	0.4072	0.0301	-0.00006	0.00123	0.01022	0.00375	0.02216	0.00146
0.14	0.8687	-0.1508	0.4070	0.0352	-0.00013	0.00139	0.00987	0.00465	0.02199	0.00188
0.16	0.8471	-0.1472	0.4069	0.0402	-0.00021	0.00155	0.00953	0.00557	0.02184	0.00231
0.18	0.8278	-0.1420	0.4068	0.0452	-0.00032	0.00170	0.00921	0.00652	0.02171	0.00275
0.20	0.8104	-0.1357	0.4066	0.0501	-0.00045	0.00185	0.00888	0.00747	0.02158	0.00319
0.22	0.7947	-0.1285	0.4064	0.0551	-0.00060	0.00199	0.00856	0.00842	0.02146	0.00364
0.24	0.7805	-0.1207	0.4063	0.0602	-0.00077	0.00213	0.00823	0.00938	0.02135	0.00410
0.26	0.7676	-0.1124	0.4060	0.0653	-0.00096	0.00227	0.00790	0.01035	0.02125	0.00456
0.28	0.7558	-0.1038	0.4058	0.0703	-0.00117	0.00240	0.00756	0.01131	0.02115	0.00502
0.30	0.7451	-0.0951	0.4055	0.0753	-0.00141	0.00254	0.00722	0.01228	0.02106	0.00548
0.32	0.7353	-0.0862	0.4052	0.0804	-0.00166	0.00267	0.00688	0.01325	0.02097	0.00594
0.34	0.7263	-0.0772	0.4050	0.0854	-0.00193	0.00280	0.00652	0.01422	0.02089	0.00640
0.36	0.7180	-0.0682	0.4047	0.0904	-0.00223	0.00293	0.00615	0.01518	0.02081	0.00686
0.38	0.7103	-0.0591	0.4043	0.0954	-0.00254	0.00305	0.00578	0.01614	0.02073	0.00733
0.40	0.7032	-0.0501	0.4040	0.1004	-0.00288	0.00318	0.00539	0.01712	0.02065	0.00779
0.42	0.6966	-0.0411	0.4037	0.1054	-0.00323	0.00330	0.00498	0.01808	0.02057	0.00825
0.44	0.6904	-0.0321	0.4033	0.1104	-0.00361	0.00343	0.00456	0.01904	0.02050	0.00872
0.46	0.6846	-0.0232	0.4029	0.1155	-0.00400	0.00355	0.00414	0.02000	0.02042	0.00918
0.48	0.6792	-0.0144	0.4025	0.1205	-0.00441	0.00368	0.00370	0.02097	0.02035	0.00964
0.50	0.6741	-0.0056	0.4020	0.1255	-0.00485	0.00380	0.00324	0.02193	0.02028	0.01010
0.52	0.6693	0.0031	0.4017	0.1305	-0.00530	0.00393	0.00278	0.02289	0.02020	0.01056
0.54	0.6648	0.0117	0.4012	0.1355	-0.00577	0.00405	0.00229	0.02384	0.02013	0.01102
0.56	0.6606	0.0203	0.4008	0.1405	-0.00627	0.00417	0.00179	0.02480	0.02006	0.01148
0.58	0.6566	0.0288	0.4003	0.1456	-0.00678	0.00429	0.00128	0.02575	0.01998	0.01194
0.60	0.6527	0.0372	0.3998	0.1506	-0.00731	0.00442	0.00075	0.02672	0.01991	0.01240
0.64	0.6456	0.0538	0.3987	0.1607	-0.00843	0.00466	-0.00034	0.02862	0.01976	0.01332
0.68	0.6390	0.0702	0.3976	0.1707	-0.00963	0.00491	-0.00150	0.03053	0.01961	0.01423
0.72	0.6330	0.0863	0.3964	0.1807	-0.01090	0.00515	-0.00273	0.03243	0.01946	0.01514
0.76	0.6275	0.1021	0.3951	0.1909	-0.01225	0.00539	-0.00402	0.03432	0.01930	0.01606
0.80	0.6222	0.1177	0.3938	0.2009	-0.01368	0.00564	-0.00538	0.03623	0.01913	0.01697
0.84	0.6173	0.1330	0.3924	0.2108	-0.01518	0.00588	-0.00679	0.03812	0.01897	0.01787
0.88	0.6126	0.1482	0.3910	0.2209	-0.01676	0.00613	-0.00828	0.04001	0.01880	0.01878
0.92	0.6082	0.1632	0.3894	0.2310	-0.01841	0.00637	-0.00982	0.04189	0.01862	0.01969
0.96	0.6039	0.1780	0.3878	0.2410	-0.02014	0.00662	-0.01144	0.04379	0.01843	0.02059
1.00	0.5998	0.1926	0.3862	0.2510	-0.02195	0.00686	-0.01313	0.04567	0.01824	0.02150

TABLE C32. M = 0.50, τ = 0.20

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.2697	0	0.4705	0	0	0	0.01468	0	0.02714	0
0.02	1.2072	-0.1210	0.4707	0.0066	0.00001	0.00028	0.01398	-0.00008	0.02675	-0.00020
0.04	1.1446	-0.1796	0.4713	0.0129	0.00003	0.00052	0.01330	0.00044	0.02637	-0.00006
0.06	1.0876	-0.2142	0.4721	0.0188	0.00005	0.00075	0.01270	0.00118	0.02602	0.00024
0.08	1.0369	-0.2334	0.4732	0.0245	0.00003	0.00096	0.01216	0.00209	0.02572	0.00063
0.10	0.9920	-0.2428	0.4744	0.0300	0	0.00115	0.01167	0.00306	0.02547	0.00107
0.12	0.9528	-0.2462	0.4756	0.0355	-0.00006	0.00134	0.01122	0.00411	0.02525	0.00155
0.14	0.9187	-0.2459	0.4769	0.0413	-0.00013	0.00152	0.01081	0.00518	0.02506	0.00205
0.16	0.8889	-0.2431	0.4780	0.0459	-0.00023	0.00169	0.01043	0.00627	0.02490	0.00256
0.18	0.8632	-0.2386	0.4794	0.0511	-0.00036	0.00186	0.01008	0.00739	0.02476	0.00308
0.20	0.8407	-0.2329	0.4805	0.0561	-0.00053	0.00203	0.00972	0.00851	0.02464	0.00361
0.22	0.8213	-0.2266	0.4819	0.0612	-0.00070	0.00219	0.00939	0.00965	0.02454	0.00414
0.24	0.8046	-0.2199	0.4831	0.0660	-0.00090	0.00235	0.00905	0.01079	0.02446	0.00467
0.26	0.7896	-0.2129	0.4843	0.0703	-0.00113	0.00251	0.00871	0.01194	0.02438	0.00520
0.28	0.7763	-0.2056	0.4856	0.0752	-0.00139	0.00267	0.00837	0.01309	0.02432	0.00574
0.30	0.7643	-0.1981	0.4870	0.0802	-0.00166	0.00283	0.00803	0.01424	0.02426	0.00627
0.32	0.7536	-0.1907	0.4885	0.0850	-0.00196	0.00299	0.00768	0.01539	0.02421	0.00680
0.34	0.7440	-0.1834	0.4898	0.0898	-0.00229	0.00316	0.00731	0.01655	0.02417	0.00733
0.36	0.7354	-0.1763	0.4913	0.0943	-0.00263	0.00332	0.00696	0.01772	0.02413	0.00786
0.38	0.7278	-0.1694	0.4928	0.0989	-0.00300	0.00349	0.00659	0.01889	0.02409	0.00839
0.40	0.7208	-0.1626	0.4943	0.1035	-0.00340	0.00367	0.00622	0.02006	0.02406	0.00892
0.42	0.7147	-0.1560	0.4957	0.1080	-0.00382	0.00384	0.00582	0.02123	0.02404	0.00945
0.44	0.7092	-0.1496	0.4973	0.1125	-0.00427	0.00402	0.00542	0.02241	0.02402	0.00997
0.46	0.7042	-0.1433	0.4989	0.1170	-0.00474	0.00420	0.00501	0.02359	0.02400	0.01049
0.48	0.6997	-0.1372	0.5006	0.1215	-0.00523	0.00438	0.00459	0.02477	0.02399	0.01101
0.50	0.6958	-0.1313	0.5024	0.1259	-0.00575	0.00456	0.00416	0.02595	0.02398	0.01153
0.52	0.6923	-0.1257	0.5041	0.1303	-0.00629	0.00475	0.00372	0.02715	0.02397	0.01205
0.54	0.6891	-0.1202	0.5060	0.1347	-0.00686	0.00495	0.00327	0.02836	0.02396	0.01256
0.56	0.6864	-0.1150	0.5078	0.1390	-0.00745	0.00516	0.00280	0.02959	0.02396	0.01308
0.58	0.6840	-0.1099	0.5097	0.1433	-0.00807	0.00538	0.00232	0.03082	0.02395	0.01359
0.60	0.6819	-0.1051	0.5116	0.1475	-0.00871	0.00560	0.00183	0.03205	0.02395	0.01411
0.64	0.6784	-0.0959	0.5157	0.1559	-0.01006	0.00604	0.00082	0.03453	0.02395	0.01513
0.68	0.6759	-0.0875	0.5198	0.1640	-0.01153	0.00651	-0.00023	0.03702	0.02397	0.01615
0.72	0.6742	-0.0797	0.5243	0.1721	-0.01308	0.00704	-0.00133	0.03959	0.02399	0.01716
0.76	0.6732	-0.0727	0.5290	0.1799	-0.01474	0.00762	-0.00247	0.04220	0.02402	0.01817
0.80	0.6726	-0.0663	0.5338	0.1876	-0.01649	0.00823	-0.00363	0.04484	0.02405	0.01917
0.84	0.6727	-0.0606	0.5388	0.1950	-0.01835	0.00890	-0.00484	0.04753	0.02408	0.02016
0.88	0.6731	-0.0556	0.5439	0.2022	-0.02031	0.00960	-0.00608	0.05024	0.02412	0.02116
0.92	0.6738	-0.0513	0.5492	0.2090	-0.02237	0.01036	-0.00735	0.05299	0.02416	0.02214
0.96	0.6747	-0.0476	0.5544	0.2156	-0.02453	0.01118	-0.00864	0.05579	0.02421	0.02311
1.00	0.6757	-0.0446	0.5596	0.2219	-0.02679	0.01208	-0.00997	0.05864	0.02426	0.02409

TABLE C33. M = 0.60, τ = 0.20

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.3745	0	0.5093	0	0	0	0.01590	0	0.02938	0
0.02	1.2938	-0.1534	0.5100	0.0077	0.00002	0.00030	0.01501	-0.00021	0.02888	-0.00032
0.04	1.2132	-0.2254	0.5112	0.0149	0.00004	0.00057	0.01417	0.00031	0.02841	-0.00018
0.06	1.1406	-0.2651	0.5130	0.0211	0.00005	0.00080	0.01343	0.00114	0.02801	0.00017
0.08	1.0770	-0.2862	0.5152	0.0269	0.00005	0.00102	0.01281	0.00213	0.02767	0.00061
0.10	1.0223	-0.2966	0.5175	0.0323	0.00001	0.00123	0.01226	0.00322	0.02738	0.00111
0.12	0.9758	-0.3005	0.5196	0.0376	-0.00006	0.00142	0.01179	0.00440	0.02714	0.00164
0.14	0.9365	-0.3003	0.5219	0.0425	-0.00015	0.00160	0.01136	0.00560	0.02695	0.00220
0.16	0.9034	-0.2975	0.5240	0.0473	-0.00027	0.00178	0.01095	0.00682	0.02680	0.00276
0.18	0.8752	-0.2930	0.5263	0.0519	-0.00042	0.00196	0.01057	0.00805	0.02667	0.00333
0.20	0.8505	-0.2873	0.5286	0.0564	-0.00059	0.00213	0.01021	0.00929	0.02656	0.00390
0.22	0.8286	-0.2808	0.5311	0.0607	-0.00078	0.00230	0.00988	0.01054	0.02648	0.00448
0.24	0.8093	-0.2740	0.5335	0.0649	-0.00101	0.00248	0.00954	0.01179	0.02642	0.00506
0.26	0.7923	-0.2673	0.5359	0.0689	-0.00127	0.00266	0.00921	0.01304	0.02637	0.00564
0.28	0.7773	-0.2607	0.5382	0.0728	-0.00155	0.00284	0.00887	0.01430	0.02633	0.00621
0.30	0.7641	-0.2541	0.5409	0.0766	-0.00186	0.00302	0.00853	0.01557	0.02630	0.00678
0.32	0.7522	-0.2476	0.5434	0.0805	-0.00219	0.00321	0.00818	0.01685	0.02627	0.00735
0.34	0.7415	-0.2414	0.5459	0.0841	-0.00255	0.00340	0.00783	0.01814	0.02625	0.00791
0.36	0.7320	-0.2354	0.5486	0.0876	-0.00293	0.00359	0.00748	0.01942	0.02624	0.00847
0.38	0.7234	-0.2296	0.5512	0.0912	-0.00334	0.00378	0.00713	0.02072	0.02625	0.00903
0.40	0.7157	-0.2242	0.5540	0.0947	-0.00377	0.00398	0.00677	0.02202	0.02626	0.00959
0.42	0.7088	-0.2191	0.5570	0.0979	-0.00423	0.00419	0.00640	0.02333	0.02627	0.01014
0.44	0.7025	-0.2143	0.5598	0.1010	-0.00473	0.00440	0.00601	0.02465	0.02629	0.01069
0.46	0.6967	-0.2098	0.5627	0.1041	-0.00525	0.00462	0.00563	0.02597	0.02632	0.01124
0.48	0.6915	-0.2055	0.5657	0.1071	-0.00579	0.00484	0.00524	0.02730	0.02635	0.01179
0.50	0.6868	-0.2016	0.5688	0.1098	-0.00636	0.00508	0.00484	0.02864	0.02638	0.01233
0.52	0.6824	-0.1980	0.5719	0.1125	-0.00696	0.00533	0.00442	0.02998	0.02642	0.01286
0.54	0.6783	-0.1946	0.5751	0.1151	-0.00758	0.00559	0.00401	0.03134	0.02646	0.01339
0.56	0.6745	-0.1916	0.5782	0.1175	-0.00823	0.00585	0.00358	0.03270	0.02650	0.01392
0.58	0.6710	-0.1889	0.5814	0.1199	-0.00891	0.00612	0.00315	0.03408	0.02655	0.01445
0.60	0.6677	-0.1864	0.5848	0.1220	-0.00961	0.00640	0.00272	0.03547	0.02660	0.01497
0.64	0.6618	-0.1821	0.5915	0.1259	-0.01108	0.00702	0.00187	0.03830	0.02670	0.01601
0.68	0.6564	-0.1789	0.5983	0.1292	-0.01267	0.00769	0.00096	0.04116	0.02681	0.01703
0.72	0.6512	-0.1766	0.6051	0.1319	-0.01436	0.00841	0.00007	0.04406	0.02693	0.01804
0.76	0.6462	-0.1752	0.6119	0.1340	-0.01614	0.00921	-0.00083	0.04700	0.02706	0.01903
0.80	0.6411	-0.1747	0.6185	0.1352	-0.01802	0.01008	-0.00172	0.04999	0.02719	0.02001
0.84	0.6359	-0.1747	0.6251	0.1359	-0.02000	0.01103	-0.00262	0.05300	0.02733	0.02097
0.88	0.6303	-0.1754	0.6315	0.1360	-0.02206	0.01207	-0.00350	0.05606	0.02746	0.02190
0.92	0.6244	-0.1766	0.6376	0.1353	-0.02420	0.01321	-0.00437	0.05915	0.02759	0.02282
0.96	0.6179	-0.1781	0.6432	0.1341	-0.02641	0.01444	-0.00522	0.06227	0.02771	0.02376
1.00	0.6108	-0.1801	0.6484	0.1322	-0.02870	0.01578	-0.00607	0.06543	0.02782	0.02467

TABLE C34. M = 0.70, τ = 0.20

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.5398	0	0.5705	0	0	0	0.01781	0	0.03291	0
0.02	1.4239	-0.2111	0.5717	0.0095	0.00002	0.00033	0.01657	-0.00053	0.03220	-0.00052
0.04	1.3116	-0.3047	0.5743	0.0176	0.00006	0.00062	0.01546	0.00006	0.03157	-0.00035
0.06	1.2134	-0.3516	0.5782	0.0241	0.00006	0.00087	0.01454	0.00105	0.03107	0.00004
0.08	1.1291	-0.3733	0.5824	0.0293	0.00006	0.00109	0.01380	0.00225	0.03067	0.00060
0.10	1.0583	-0.3818	0.5870	0.0339	0.00001	0.00131	0.01317	0.00356	0.03036	0.00120
0.12	0.9996	-0.3836	0.5918	0.0380	-0.00007	0.00152	0.01265	0.00494	0.03012	0.00183
0.14	0.9511	-0.3814	0.5963	0.0415	-0.00019	0.00172	0.01218	0.00632	0.02994	0.00247
0.16	0.9112	-0.3774	0.6004	0.0446	-0.00033	0.00192	0.01176	0.00773	0.02980	0.00311
0.18	0.8779	-0.3722	0.6044	0.0474	-0.00051	0.00212	0.01139	0.00915	0.02970	0.00376
0.20	0.8488	-0.3660	0.6084	0.0497	-0.00071	0.00232	0.01104	0.01058	0.02964	0.00440
0.22	0.8227	-0.3590	0.6123	0.0518	-0.00094	0.00252	0.01070	0.01202	0.02960	0.00504
0.24	0.7996	-0.3518	0.6164	0.0534	-0.00120	0.00271	0.01037	0.01346	0.02958	0.00568
0.26	0.7792	-0.3449	0.6206	0.0549	-0.00149	0.00291	0.01004	0.01490	0.02957	0.00630
0.28	0.7614	-0.3387	0.6249	0.0562	-0.00182	0.00313	0.00973	0.01636	0.02959	0.00692
0.30	0.7455	-0.3332	0.6292	0.0570	-0.00217	0.00336	0.00941	0.01783	0.02962	0.00753
0.32	0.7311	-0.3281	0.6336	0.0576	-0.00255	0.00358	0.00910	0.01930	0.02967	0.00814
0.34	0.7179	-0.3232	0.6380	0.0580	-0.00296	0.00381	0.00881	0.02077	0.02973	0.00874
0.36	0.7055	-0.3186	0.6421	0.0580	-0.00341	0.00405	0.00849	0.02224	0.02979	0.00933
0.38	0.6940	-0.3144	0.6463	0.0577	-0.00387	0.00429	0.00819	0.02372	0.02986	0.00991
0.40	0.6834	-0.3106	0.6506	0.0571	-0.00437	0.00454	0.00788	0.02522	0.02994	0.01048
0.42	0.6734	-0.3072	0.6548	0.0562	-0.00490	0.00482	0.00759	0.02674	0.03002	0.01105
0.44	0.6640	-0.3042	0.6589	0.0550	-0.00545	0.00511	0.00728	0.02828	0.03010	0.01161
0.46	0.6549	-0.3015	0.6629	0.0534	-0.00603	0.00540	0.00698	0.02981	0.03020	0.01216
0.48	0.6461	-0.2992	0.6668	0.0515	-0.00665	0.00571	0.00668	0.03135	0.03029	0.01271
0.50	0.6375	-0.2972	0.6705	0.0493	-0.00728	0.00603	0.00639	0.03289	0.03039	0.01324
0.52	0.6291	-0.2954	0.6739	0.0467	-0.00795	0.00637	0.00608	0.03447	0.03049	0.01376
0.54	0.6209	-0.2938	0.6772	0.0439	-0.00864	0.00672	0.00581	0.03604	0.03060	0.01428
0.56	0.6127	-0.2924	0.6803	0.0407	-0.00936	0.00710	0.00554	0.03762	0.03070	0.01479
0.58	0.6045	-0.2913	0.6831	0.0371	-0.01010	0.00750	0.00527	0.03921	0.03082	0.01529
0.60	0.5963	-0.2904	0.6858	0.0333	-0.01086	0.00792	0.00502	0.04081	0.03093	0.01578
0.64	0.5797	-0.2883	0.6902	0.0250	-0.01245	0.00882	0.00453	0.04403	0.03114	0.01674
0.68	0.5627	-0.2862	0.6931	0.0158	-0.01414	0.00981	0.00408	0.04727	0.03134	0.01767
0.72	0.5452	-0.2837	0.6946	0.0059	-0.01591	0.01089	0.00365	0.05049	0.03152	0.01858
0.76	0.5273	-0.2806	0.6943	-0.0044	-0.01774	0.01207	0.00328	0.05369	0.03169	0.01947
0.80	0.5089	-0.2765	0.6921	-0.0149	-0.01963	0.01335	0.00293	0.05687	0.03183	0.02035
0.84	0.4902	-0.2710	0.6882	-0.0252	-0.02156	0.01474	0.00261	0.06002	0.03196	0.02123
0.88	0.4714	-0.2644	0.6825	-0.0353	-0.02353	0.01622	0.00230	0.06313	0.03206	0.02209
0.92	0.4527	-0.2562	0.6753	-0.0448	-0.02554	0.01780	0.00201	0.06621	0.03213	0.02295
0.96	0.4344	-0.2464	0.6664	-0.0537	-0.02761	0.01947	0.00167	0.06924	0.03217	0.02383
1.00	0.4167	-0.2349	0.6561	-0.0617	-0.02972	0.02123	0.00131	0.07224	0.03220	0.02473

TABLE C35. M = 0.80, τ = 0.20

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.8327	0	0.6790	0	0	0	0.02120	0	0.03917	0
0.02	1.6510	-0.3330	0.6908	0.0135	0.00004	0.00038	0.01915	-0.00108	0.03801	-0.00092
0.04	1.4460	-0.4617	0.6847	0.0216	0.00007	0.00068	0.01751	-0.00029	0.03709	-0.00066
0.06	1.2630	-0.5114	0.6768	0.0265	0.00010	0.00096	0.01628	0.00124	0.03643	-0.00006
0.08	1.1410	-0.5247	0.6865	0.0278	0.00006	0.00122	0.01537	0.00268	0.03595	0.00066
0.10	1.0645	-0.5227	0.7084	0.0268	-0.00001	0.00146	0.01466	0.00438	0.03564	0.00145
0.12	1.0090	-0.5153	0.7307	0.0251	-0.00013	0.00170	0.01413	0.00610	0.03544	0.00223
0.14	0.9550	-0.5063	0.7451	0.0220	-0.00028	0.00194	0.01366	0.00785	0.03534	0.00301
0.16	0.9036	-0.4976	0.7528	0.0181	-0.00047	0.00218	0.01327	0.00959	0.03529	0.00376
0.18	0.8557	-0.4894	0.7563	0.0137	-0.00069	0.00241	0.01293	0.01134	0.03530	0.00451
0.20	0.8123	-0.4810	0.7588	0.0079	-0.00095	0.00266	0.01263	0.01310	0.03535	0.00522
0.22	0.7744	-0.4719	0.7623	0.0008	-0.00124	0.00293	0.01236	0.01486	0.03543	0.00591
0.24	0.7420	-0.4622	0.7671	-0.0071	-0.00157	0.00318	0.01211	0.01663	0.03553	0.00659
0.26	0.7138	-0.4535	0.7719	-0.0156	-0.00192	0.00346	0.01190	0.01840	0.03566	0.00725
0.28	0.6887	-0.4459	0.7765	-0.0251	-0.00231	0.00375	0.01170	0.02018	0.03580	0.00787
0.30	0.6658	-0.4388	0.7804	-0.0352	-0.00273	0.00406	0.01152	0.02198	0.03596	0.00847
0.32	0.6444	-0.4318	0.7835	-0.0459	-0.00319	0.00438	0.01136	0.02376	0.03613	0.00905
0.34	0.6239	-0.4247	0.7855	-0.0574	-0.00368	0.00471	0.01123	0.02555	0.03630	0.00961
0.36	0.6039	-0.4175	0.7863	-0.0695	-0.00419	0.00506	0.01111	0.02736	0.03648	0.01014
0.38	0.5845	-0.4101	0.7861	-0.0819	-0.00474	0.00543	0.01102	0.02915	0.03665	0.01065
0.40	0.5658	-0.4026	0.7842	-0.0946	-0.00531	0.00582	0.01094	0.03095	0.03682	0.01114
0.42	0.5476	-0.3951	0.7812	-0.1075	-0.00591	0.00624	0.01089	0.03275	0.03698	0.01162
0.44	0.5298	-0.3874	0.7769	-0.1205	-0.00653	0.00667	0.01087	0.03453	0.03713	0.01208
0.46	0.5126	-0.3793	0.7712	-0.1334	-0.00718	0.00713	0.01086	0.03631	0.03727	0.01253
0.48	0.4959	-0.3708	0.7641	-0.1461	-0.00784	0.00761	0.01087	0.03807	0.03740	0.01297
0.50	0.4798	-0.3617	0.7558	-0.1582	-0.00852	0.00812	0.01089	0.03983	0.03752	0.01340
0.52	0.4643	-0.3518	0.7461	-0.1696	-0.00922	0.00865	0.01093	0.04156	0.03762	0.01383
0.54	0.4496	-0.3412	0.7353	-0.1801	-0.00994	0.00920	0.01099	0.04329	0.03771	0.01425
0.56	0.4357	-0.3300	0.7234	-0.1897	-0.01067	0.00978	0.01105	0.04500	0.03779	0.01467
0.58	0.4227	-0.3181	0.7104	-0.1981	-0.01142	0.01038	0.01112	0.04668	0.03785	0.01510
0.60	0.4106	-0.3056	0.6967	-0.2055	-0.01218	0.01100	0.01119	0.04834	0.03790	0.01554
0.64	0.3896	-0.2795	0.6674	-0.2160	-0.01375	0.01230	0.01132	0.05160	0.03797	0.01644
0.68	0.3730	-0.2519	0.6369	-0.2212	-0.01536	0.01368	0.01141	0.05479	0.03801	0.01740
0.72	0.3609	-0.2236	0.6064	-0.2207	-0.01702	0.01513	0.01145	0.05790	0.03805	0.01842
0.76	0.3534	-0.1955	0.5776	-0.2150	-0.01873	0.01665	0.01140	0.06097	0.03810	0.01951
0.80	0.3503	-0.1685	0.5512	-0.2047	-0.02051	0.01825	0.01126	0.06404	0.03819	0.02066
0.84	0.3513	-0.1439	0.5279	-0.1905	-0.02235	0.01993	0.01108	0.06712	0.03833	0.02184
0.88	0.3565	-0.1232	0.5069	-0.1738	-0.02426	0.02175	0.01092	0.07031	0.03856	0.02302

TABLE C36. M = 0, τ = 0.25

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.2180	0	0.4135	0	0	0	0.02249	0	0.03755	0
0.10	1.0200	-0.1559	0.4132	0.0333	-0.00002	0.00188	0.01873	0.00489	0.03528	0.00206
0.20	0.9002	-0.1305	0.4121	0.0666	-0.00075	0.00327	0.01579	0.01281	0.03378	0.00617
0.30	0.8285	-0.0773	0.4104	0.1000	-0.00240	0.00449	0.01294	0.02112	0.03272	0.01060
0.40	0.7821	-0.0194	0.4077	0.1334	-0.00493	0.00562	0.00982	0.02949	0.03186	0.01507
0.50	0.7494	0.0378	0.4045	0.1667	-0.00832	0.00672	0.00617	0.03779	0.03105	0.01953
0.60	0.7248	0.0930	0.4006	0.2000	-0.01257	0.00782	0.00196	0.04607	0.03022	0.02398
0.70	0.7049	0.1464	0.3961	0.2335	-0.01765	0.00889	-0.00288	0.05429	0.02936	0.02841
0.80	0.6879	0.1978	0.3907	0.2668	-0.02357	0.00998	-0.00840	0.06249	0.02842	0.03281
0.90	0.6727	0.2477	0.3846	0.3001	-0.03029	0.01105	-0.01459	0.07064	0.02742	0.03719
1.00	0.6585	0.2964	0.3778	0.3334	-0.03783	0.01214	-0.02149	0.07879	0.02632	0.04156

TABLE C37. M = 0.50, τ = 0.25

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.4064	0	0.4775	0	0	0	0.02596	0	0.04336	0
0.10	1.1014	-0.2562	0.4817	0.0408	0.00003	0.00204	0.02067	0.00517	0.04010	0.00205
0.20	0.9370	-0.2353	0.4882	0.0773	-0.00087	0.00359	0.01729	0.01455	0.03845	0.00696
0.30	0.8550	-0.1878	0.4949	0.1120	-0.00282	0.00501	0.01443	0.02444	0.03766	0.01211
0.40	0.8093	-0.1398	0.5025	0.1460	-0.00579	0.00649	0.01141	0.03448	0.03721	0.01726
0.50	0.7843	-0.0964	0.5109	0.1794	-0.00983	0.00809	0.00802	0.04467	0.03697	0.02234
0.60	0.7718	-0.0587	0.5209	0.2121	-0.01492	0.00995	0.00420	0.05522	0.03681	0.02738
0.70	0.7676	-0.0261	0.5324	0.2442	-0.02108	0.01206	-0.00006	0.06605	0.03677	0.03236
0.80	0.7689	0.0016	0.5455	0.2754	-0.02829	0.01467	-0.00469	0.07736	0.03680	0.03731
0.90	0.7746	0.0243	0.5604	0.3052	-0.03662	0.01781	-0.00969	0.08908	0.03688	0.04223
1.00	0.7829	0.0422	0.5763	0.3334	-0.04601	0.02161	-0.01492	0.10129	0.03702	0.04707

TABLE C38. M = 0.60, τ = 0.25

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.5225	0	0.5169	0	0	0	0.02813	0	0.04694	0
0.10	1.1360	-0.3145	0.5258	0.0447	0.00005	0.00217	0.02173	0.00541	0.04302	0.00211
0.20	0.9500	-0.2940	0.5380	0.0809	-0.00098	0.00376	0.01818	0.01586	0.04140	0.00752
0.30	0.8583	-0.2482	0.5513	0.1131	-0.00314	0.00535	0.01536	0.02669	0.04083	0.01309
0.40	0.8091	-0.2066	0.5664	0.1433	-0.00644	0.00707	0.01248	0.03783	0.04069	0.01857
0.50	0.7819	-0.1734	0.5837	0.1708	-0.01085	0.00903	0.00938	0.04926	0.04087	0.02392
0.60	0.7664	-0.1489	0.6031	0.1954	-0.01640	0.01141	0.00606	0.06107	0.04122	0.02910
0.70	0.7577	-0.1324	0.6247	0.2165	-0.02310	0.01436	0.00260	0.07342	0.04172	0.03417
0.80	0.7510	-0.1233	0.6473	0.2330	-0.03081	0.01805	-0.00081	0.08618	0.04233	0.03906
0.90	0.7440	-0.1207	0.6704	0.2445	-0.03952	0.02265	-0.00413	0.09936	0.04300	0.04374
1.00	0.7345	-0.1228	0.6929	0.2510	-0.04900	0.02836	-0.00717	0.11291	0.04364	0.04827

TABLE C39. M = 0.70, τ = 0.25

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.7056	0	0.5791	0	0	0	0.03150	0	0.05258	0
0.10	1.1773	-0.4084	0.5973	0.0492	0.00005	0.00232	0.02333	0.00594	0.04758	0.00227
0.20	0.9520	-0.3796	0.6213	0.0794	-0.00117	0.00410	0.01968	0.01801	0.04614	0.00846
0.30	0.8443	-0.3347	0.6459	0.1008	-0.00366	0.00595	0.01704	0.03050	0.04604	0.01455
0.40	0.7826	-0.3030	0.6728	0.1148	-0.00740	0.00807	0.01468	0.04325	0.04662	0.02033
0.50	0.7398	-0.2829	0.7003	0.1202	-0.01236	0.01076	0.01249	0.05649	0.04751	0.02574
0.60	0.7027	-0.2725	0.7254	0.1158	-0.01846	0.01419	0.01061	0.07013	0.04860	0.03076
0.70	0.6643	-0.2666	0.7454	0.1023	-0.02549	0.01858	0.00923	0.08403	0.04971	0.03537
0.80	0.6212	-0.2600	0.7560	0.0819	-0.03326	0.02404	0.00838	0.09771	0.05068	0.03966
0.90	0.5735	-0.2476	0.7549	0.0584	-0.04142	0.03065	0.00789	0.11107	0.05140	0.04373
1.00	0.5238	-0.2255	0.7419	0.0355	-0.04996	0.03830	0.00740	0.12394	0.05179	0.04778

TABLE C40. M = 0.80, τ = 0.25

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	2.0300	0	0.6892	0	0	0	0.03750	0	0.06258	0
0.10	1.1921	-0.5606	0.7238	0.0481	0.00002	0.00258	0.02599	0.00726	0.05565	0.00271
0.20	0.9189	-0.5064	0.7807	0.0471	-0.00156	0.00468	0.02259	0.02222	0.05499	0.01001
0.30	0.7680	-0.4559	0.8148	0.0197	-0.00458	0.00720	0.02103	0.03747	0.05618	0.01639
0.40	0.6659	-0.4166	0.8346	-0.0289	-0.00891	0.01038	0.02059	0.05285	0.05794	0.02166
0.50	0.5762	-0.3761	0.8239	-0.0895	-0.01427	0.01455	0.02123	0.06792	0.05956	0.02602
0.60	0.4993	-0.3207	0.7791	-0.1419	-0.02029	0.01978	0.02269	0.08229	0.06069	0.02996
0.70	0.4437	-0.2494	0.7106	-0.1677	-0.02679	0.02593	0.02415	0.09566	0.06108	0.03410
0.80	0.4155	-0.1706	0.6378	-0.1605	-0.03371	0.03296	0.02497	0.10840	0.06144	0.03889
0.90	0.4199	-0.1019	0.5770	-0.1241	-0.04117	0.04096	0.02552	0.12135	0.06239	0.04395

TABLE C41. M = 0, τ = 0.30

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.3215	0	0.4084	0	0	0	0.03595	0	0.05531	0
0.02	1.2744	-0.0839	0.4084	0.0083	0.00003	0.00069	0.03467	0.00012	0.05446	-0.00024
0.04	1.2270	-0.1232	0.4083	0.0166	0.00007	0.00133	0.03339	0.00143	0.05360	0.00033
0.06	1.1832	-0.1444	0.4082	0.0249	0.00008	0.00192	0.03217	0.00321	0.05279	0.00123
0.08	1.1436	-0.1546	0.4081	0.0332	0.00006	0.00247	0.03104	0.00525	0.05205	0.00231
0.10	1.1081	-0.1575	0.4078	0.0415	-0.00001	0.00299	0.02998	0.00748	0.05138	0.00353
0.12	1.0764	-0.1554	0.4077	0.0499	-0.00012	0.00348	0.02898	0.00983	0.05076	0.00485
0.14	1.0480	-0.1497	0.4074	0.0582	-0.00029	0.00394	0.02802	0.01226	0.05020	0.00622
0.16	1.0226	-0.1415	0.4070	0.0665	-0.00052	0.00439	0.02710	0.01475	0.04969	0.00764
0.18	0.9999	-0.1315	0.4066	0.0748	-0.00080	0.00482	0.02621	0.01728	0.04921	0.00910
0.20	0.9794	-0.1201	0.4063	0.0831	-0.00114	0.00523	0.02533	0.01983	0.04877	0.01058
0.22	0.9609	-0.1078	0.4058	0.0915	-0.00154	0.00563	0.02445	0.02240	0.04835	0.01207
0.24	0.9441	-0.0948	0.4051	0.0998	-0.00199	0.00603	0.02358	0.02499	0.04795	0.01358
0.26	0.9289	-0.0813	0.4047	0.1080	-0.00250	0.00642	0.02271	0.02760	0.04758	0.01509
0.28	0.9150	-0.0675	0.4042	0.1163	-0.00307	0.00680	0.02182	0.03020	0.04723	0.01661
0.30	0.9022	-0.0534	0.4035	0.1247	-0.00369	0.00717	0.02092	0.03280	0.04688	0.01814
0.32	0.8905	-0.0392	0.4029	0.1330	-0.00437	0.00754	0.02000	0.03541	0.04655	0.01967
0.34	0.8797	-0.0249	0.4021	0.1413	-0.00510	0.00791	0.01907	0.03801	0.04622	0.02120
0.36	0.8696	-0.0106	0.4013	0.1497	-0.00588	0.00827	0.01811	0.04061	0.04590	0.02273
0.38	0.8603	0.0037	0.4006	0.1579	-0.00672	0.00863	0.01712	0.04322	0.04559	0.02426
0.40	0.8516	0.0180	0.3997	0.1662	-0.00762	0.00899	0.01610	0.04582	0.04528	0.02579
0.42	0.8434	0.0323	0.3988	0.1746	-0.00857	0.00934	0.01505	0.04842	0.04497	0.02732
0.44	0.8358	0.0465	0.3979	0.1828	-0.00957	0.00969	0.01398	0.05101	0.04466	0.02885
0.46	0.8286	0.0606	0.3969	0.1912	-0.01063	0.01005	0.01287	0.05361	0.04435	0.03038
0.48	0.8218	0.0747	0.3959	0.1995	-0.01174	0.01040	0.01173	0.05620	0.04404	0.03190
0.50	0.8153	0.0886	0.3947	0.2078	-0.01290	0.01075	0.01055	0.05879	0.04373	0.03343
0.52	0.8091	0.1025	0.3936	0.2161	-0.01412	0.01110	0.00934	0.06138	0.04341	0.03495
0.54	0.8033	0.1163	0.3926	0.2245	-0.01539	0.01144	0.00809	0.06395	0.04310	0.03647
0.56	0.7977	0.1299	0.3913	0.2327	-0.01671	0.01179	0.00680	0.06653	0.04278	0.03799
0.58	0.7923	0.1435	0.3901	0.2410	-0.01808	0.01214	0.00549	0.06911	0.04245	0.03950
0.60	0.7871	0.1570	0.3888	0.2494	-0.01951	0.01249	0.00412	0.07168	0.04212	0.04102
0.64	0.7773	0.1838	0.3862	0.2660	-0.02252	0.01318	0.00128	0.07682	0.04146	0.04405
0.68	0.7680	0.2102	0.3832	0.2827	-0.02573	0.01387	-0.00170	0.08195	0.04076	0.04707
0.72	0.7592	0.2363	0.3801	0.2993	-0.02915	0.01456	-0.00486	0.08707	0.04005	0.05008
0.76	0.7508	0.2621	0.3769	0.3159	-0.03278	0.01525	-0.00819	0.09218	0.03931	0.05309
0.80	0.7427	0.2875	0.3736	0.3325	-0.03662	0.01594	-0.01167	0.09729	0.03854	0.05610
0.84	0.7349	0.3128	0.3699	0.3492	-0.04065	0.01663	-0.01531	0.10237	0.03775	0.05910
0.88	0.7271	0.3378	0.3662	0.3658	-0.04489	0.01732	-0.01913	0.10747	0.03693	0.06209
0.92	0.7195	0.3625	0.3622	0.3825	-0.04934	0.01801	-0.02312	0.11255	0.03607	0.06509
0.96	0.7121	0.3871	0.3581	0.3990	-0.05399	0.01870	-0.02727	0.11763	0.03519	0.06807
1.00	0.7046	0.4114	0.3538	0.4157	-0.05884	0.01939	-0.03160	0.12270	0.03428	0.07106

TABLE C42. M = 0.50, τ = 0.30

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.5259	0	0.4716	0	0	0	0.04151	0	0.06387	0
0.02	1.4513	-0.1389	0.4720	0.0111	0.00005	0.00078	0.03954	-0.00038	0.06256	-0.00073
0.04	1.3769	-0.2034	0.4727	0.0217	0.00011	0.00150	0.03763	0.00089	0.06127	-0.00025
0.06	1.3098	-0.2394	0.4737	0.0321	0.00014	0.00215	0.03591	0.00283	0.06012	0.00073
0.08	1.2500	-0.2575	0.4747	0.0420	0.00013	0.00274	0.03441	0.00525	0.05913	0.00202
0.10	1.1978	-0.2641	0.4760	0.0517	0.00006	0.00328	0.03306	0.00786	0.05827	0.00348
0.12	1.1520	-0.2636	0.4773	0.0614	-0.00008	0.00380	0.03182	0.01062	0.05751	0.00506
0.14	1.1125	-0.2587	0.4788	0.0708	-0.00029	0.00430	0.03071	0.01349	0.05686	0.00671
0.16	1.0780	-0.2510	0.4799	0.0802	-0.00056	0.00479	0.02968	0.01645	0.05630	0.00840
0.18	1.0484	-0.2415	0.4814	0.0894	-0.00089	0.00527	0.02869	0.01945	0.05581	0.01013
0.20	1.0228	-0.2307	0.4826	0.0987	-0.00131	0.00573	0.02776	0.02247	0.05538	0.01188
0.22	1.0006	-0.2192	0.4839	0.1079	-0.00178	0.00619	0.02687	0.02551	0.05501	0.01363
0.24	0.9815	-0.2072	0.4851	0.1171	-0.00230	0.00663	0.02600	0.02857	0.05469	0.01539
0.26	0.9646	-0.1948	0.4863	0.1261	-0.00291	0.00708	0.02512	0.03166	0.05440	0.01715
0.28	0.9496	-0.1822	0.4875	0.1352	-0.00358	0.00754	0.02425	0.03475	0.05414	0.01892
0.30	0.9362	-0.1694	0.4889	0.1442	-0.00431	0.00801	0.02338	0.03785	0.05390	0.02069
0.32	0.9243	-0.1567	0.4902	0.1531	-0.00511	0.00847	0.02250	0.04096	0.05369	0.02242
0.34	0.9137	-0.1441	0.4916	0.1622	-0.00597	0.00894	0.02161	0.04408	0.05350	0.02420
0.36	0.9044	-0.1318	0.4931	0.1712	-0.00689	0.00942	0.02070	0.04721	0.05332	0.02599
0.38	0.8962	-0.1197	0.4945	0.1801	-0.00789	0.00990	0.01978	0.05035	0.05316	0.02775
0.40	0.8891	-0.1078	0.4961	0.1891	-0.00895	0.01039	0.01884	0.05349	0.05301	0.02952
0.42	0.8828	-0.0961	0.4977	0.1979	-0.01007	0.01089	0.01788	0.05666	0.05287	0.03128
0.44	0.8771	-0.0846	0.4993	0.2069	-0.01126	0.01140	0.01690	0.05984	0.05275	0.03303
0.46	0.8722	-0.0732	0.5009	0.2159	-0.01251	0.01193	0.01589	0.06303	0.05264	0.03479
0.48	0.8679	-0.0621	0.5026	0.2248	-0.01382	0.01246	0.01487	0.06624	0.05253	0.03654
0.50	0.8643	-0.0512	0.5042	0.2338	-0.01521	0.01301	0.01380	0.06946	0.05243	0.03829
0.52	0.8611	-0.0406	0.5061	0.2427	-0.01666	0.01357	0.01272	0.07270	0.05234	0.04004
0.54	0.0585	-0.0302	0.5079	0.2516	-0.01817	0.01414	0.01161	0.07596	0.05225	0.04178
0.56	0.8564	-0.0201	0.5100	0.2605	-0.01975	0.01473	0.01048	0.07923	0.05218	0.04353
0.58	0.8546	-0.0102	0.5120	0.2694	-0.02139	0.01534	0.00933	0.08253	0.05211	0.04527
0.60	0.8533	-0.0005	0.5141	0.2783	-0.02309	0.01596	0.00815	0.08584	0.05204	0.04701
0.64	0.8517	0.0182	0.5185	0.2960	-0.02672	0.01728	0.00571	0.09255	0.05193	0.05048
0.68	0.8514	0.0361	0.5231	0.3137	-0.03060	0.01870	0.00319	0.09935	0.05183	0.05396
0.72	0.8523	0.0531	0.5281	0.3312	-0.03474	0.02022	0.00057	0.10628	0.05175	0.05742
0.76	0.8541	0.0693	0.5334	0.3488	-0.03915	0.02185	-0.00211	0.11329	0.05170	0.06089
0.80	0.8569	0.0846	0.5390	0.3661	-0.04383	0.02362	-0.00488	0.12043	0.05166	0.06434
0.84	0.8605	0.0990	0.5451	0.3833	-0.04878	0.02553	-0.00772	0.12767	0.05164	0.06779
0.88	0.8649	0.1126	0.5515	0.4003	-0.05399	0.02759	-0.01061	0.13503	0.05163	0.07123
0.92	0.8699	0.1254	0.5583	0.4172	-0.05947	0.02983	-0.01356	0.14252	0.05165	0.07466
0.96	0.8756	0.1372	0.5653	0.4337	-0.06521	0.03226	-0.01656	0.15014	0.05169	0.07809
1.00	0.8818	0.1482	0.5726	0.4501	-0.07119	0.03488	-0.01957	0.15787	0.05174	0.08150

TABLE C43. M = 0.6, τ = 0.30

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.6519	0	0.5106	0	0	0	0.04494	0	0.06914	0
0.02	1.5555	-0.1770	0.5113	0.0129	0.00006	0.00081	0.04243	-0.00083	0.06747	-0.00110
0.04	1.4600	-0.2571	0.5128	0.0250	0.00015	0.00161	0.04007	0.00045	0.06586	-0.00065
0.06	1.3747	-0.2989	0.5148	0.0363	0.00020	0.00228	0.03803	0.00262	0.06448	0.00046
0.08	1.3002	-0.3186	0.5174	0.0472	0.00018	0.00288	0.03627	0.00527	0.06332	0.00191
0.10	1.2365	-0.3260	0.5199	0.0574	0.00009	0.00345	0.03475	0.00820	0.06237	0.00356
0.12	1.1826	-0.3260	0.5226	0.0674	-0.00008	0.00400	0.03342	0.01129	0.06158	0.00532
0.14	1.1372	-0.3212	0.5251	0.0772	-0.00031	0.00453	0.03223	0.01447	0.06092	0.00715
0.16	1.0991	-0.3134	0.5276	0.0869	-0.00062	0.00503	0.03115	0.01775	0.06036	0.00902
0.18	1.0670	-0.3037	0.5302	0.0962	-0.00100	0.00553	0.03016	0.02106	0.05990	0.01092
0.20	1.0390	-0.2927	0.5327	0.1055	-0.00145	0.00602	0.02922	0.02440	0.05952	0.01283
0.22	1.0143	-0.2808	0.5353	0.1148	-0.00198	0.00652	0.02833	0.02776	0.05921	0.01474
0.24	0.9928	-0.2687	0.5381	0.1237	-0.00258	0.00702	0.02746	0.03113	0.05896	0.01665
0.26	0.9742	-0.2567	0.5410	0.1329	-0.00324	0.00752	0.02662	0.03451	0.05875	0.01856
0.28	0.9579	-0.2448	0.5438	0.1416	-0.00397	0.00803	0.02578	0.03790	0.05858	0.02047
0.30	0.9435	-0.2331	0.5466	0.1503	-0.00478	0.00855	0.02495	0.04132	0.05843	0.02237
0.32	0.9309	-0.2215	0.5496	0.1591	-0.00566	0.00908	0.02412	0.04475	0.05830	0.02426
0.34	0.9199	-0.2102	0.5527	0.1678	-0.00661	0.00962	0.02328	0.04819	0.05820	0.02616
0.36	0.9103	-0.1993	0.5560	0.1763	-0.00763	0.01017	0.02243	0.05164	0.05814	0.02805
0.38	0.9018	-0.1887	0.5593	0.1848	-0.00872	0.01074	0.02158	0.05512	0.05810	0.02993
0.40	0.8944	-0.1785	0.5627	0.1931	-0.00988	0.01132	0.02072	0.05862	0.05808	0.03180
0.42	0.8879	-0.1687	0.5662	0.2014	-0.01110	0.01192	0.01986	0.06213	0.05809	0.03367
0.44	0.8823	-0.1593	0.5699	0.2097	-0.01240	0.01253	0.01898	0.06566	0.05812	0.03553
0.46	0.8774	-0.1503	0.5736	0.2178	-0.01377	0.01316	0.01807	0.06922	0.05816	0.03739
0.48	0.8731	-0.1416	0.5774	0.2260	-0.01521	0.01381	0.01715	0.07280	0.05822	0.03923
0.50	0.8694	-0.1333	0.5814	0.2340	-0.01672	0.01450	0.01622	0.07642	0.05829	0.04106
0.52	0.8663	-0.1254	0.5856	0.2419	-0.01830	0.01522	0.01529	0.08006	0.05837	0.04289
0.54	0.8637	-0.1179	0.5897	0.2497	-0.01995	0.01596	0.01436	0.08372	0.05846	0.04471
0.56	0.8615	-0.1108	0.5940	0.2573	-0.02166	0.01673	0.01343	0.08741	0.05856	0.04652
0.58	0.8597	-0.1041	0.5985	0.2648	-0.02344	0.01753	0.01250	0.09113	0.05867	0.04832
0.60	0.8583	-0.0978	0.6032	0.2722	-0.02529	0.01837	0.01156	0.09488	0.05879	0.05012
0.64	0.8564	-0.0862	0.6130	0.2866	-0.02921	0.02015	0.00963	0.10247	0.05908	0.05369
0.68	0.8555	-0.0761	0.6232	0.3003	-0.03340	0.02211	0.00772	0.11019	0.05942	0.05724
0.72	0.8552	-0.0675	0.6339	0.3134	-0.03786	0.02424	0.00581	0.11802	0.05979	0.06074
0.76	0.8554	-0.0602	0.6448	0.3258	-0.04257	0.02659	0.00393	0.12597	0.06020	0.06420
0.80	0.8558	-0.0545	0.6558	0.3372	-0.04752	0.02915	0.00210	0.13402	0.06063	0.06761
0.84	0.8564	-0.0500	0.6672	0.3479	-0.05271	0.03196	0.00031	0.14219	0.06110	0.07098
0.88	0.8567	-0.0468	0.6790	0.3575	-0.05811	0.03502	-0.00139	0.15043	0.06158	0.07429
0.92	0.8569	-0.0448	0.6912	0.3662	-0.06371	0.03836	-0.00302	0.15874	0.06209	0.07754
0.96	0.8565	-0.0438	0.7033	0.3739	-0.06949	0.04199	-0.00457	0.16711	0.06260	0.08073
1.00	0.8558	-0.0440	0.7155	0.3805	-0.07543	0.04592	-0.00602	0.17556	0.06312	0.08388

TABLE C44. M = 0.70, τ = 0.30

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	1.8505	0	0.5719	0	0	0	0.05034	0	0.07746	0
0.02	1.7121	-0.2447	0.5733	0.0164	0.00009	0.00093	0.04682	-0.00173	0.07509	-0.00182
0.04	1.5794	-0.3494	0.5765	0.0309	0.00021	0.00173	0.04368	-0.00033	0.07296	-0.00129
0.06	1.4641	-0.3991	0.5810	0.0433	0.00026	0.00244	0.04111	0.00226	0.07124	0.00006
0.08	1.3660	-0.4193	0.5862	0.0545	0.00024	0.00308	0.03903	0.00544	0.06986	0.00182
0.10	1.2840	-0.4245	0.5915	0.0649	0.00011	0.00369	0.03730	0.00892	0.06878	0.00379
0.12	1.2160	-0.4217	0.5969	0.0748	-0.00008	0.00427	0.03586	0.01255	0.06795	0.00586
0.14	1.1602	-0.4147	0.6021	0.0841	-0.00036	0.00485	0.03461	0.01629	0.06732	0.00799
0.16	1.1148	-0.4054	0.6071	0.0930	-0.00073	0.00541	0.03352	0.02006	0.06684	0.01013
0.18	1.0774	-0.3949	0.6120	0.1019	-0.00119	0.00597	0.03254	0.02386	0.06648	0.01227
0.20	1.0452	-0.3834	0.6171	0.1101	-0.00172	0.00653	0.03166	0.02769	0.06622	0.01441
0.22	1.0169	-0.3711	0.6224	0.1179	-0.00234	0.00710	0.03082	0.03155	0.06605	0.01654
0.24	0.9920	-0.3586	0.6278	0.1255	-0.00303	0.00767	0.03001	0.03541	0.06594	0.01866
0.26	0.9703	-0.3467	0.6333	0.1330	-0.00380	0.00827	0.02924	0.03929	0.06590	0.02076
0.28	0.9515	-0.3358	0.6390	0.1400	-0.00464	0.00888	0.02850	0.04319	0.06591	0.02285
0.30	0.9349	-0.3257	0.6448	0.1467	-0.00556	0.00951	0.02780	0.04710	0.06597	0.02491
0.32	0.9204	-0.3162	0.6508	0.1533	-0.00656	0.01015	0.02711	0.05102	0.06608	0.02696
0.34	0.9074	-0.3072	0,6569	0.1594	-0.00764	0.01082	0.02643	0.05497	0.06623	0.02898
0.36	0.8957	-0.2986	0.6633	0.1652	-0.00880	0.01152	0.02578	0.05895	0.06641	0.03098
0.38	0.8852	-0.2905	0.6698	0.1708	-0.01003	0.01224	0.02514	0.06296	0.06662	0.03296
0.40	0.8756	-0.2830	0.6764	0.1760	-0.01134	0.01299	0.02453	0.06698	0.06686	0.03492
0.42	0.8669	-0.2762	0.6831	0.1809	-0.01273	0.01377	0.02393	0.07102	0.06712	0.03686
0.44	0.8588	-0.2700	0.6898	0.1854	-0.01418	0.01458	0.02336	0.07509	0.06741	0.03878
0.46	0.8512	-0.2644	0.6966	0.1895	-0.01570	0.01544	0.02279	0.07920	0.06772	0.04066
0.48	0.8441	-0.2593	0.7035	0.1932	-0.01729	0.01635	0.02224	0.08333	0.06806	0.04252
0.50	0.8374	-0.2547	0.7104	0.1966	-0.01895	0.01732	0.02172	0.08751	0.06841	0.04436
0.52	0.8309	-0.2507	0.7172	0.1995	-0.02068	0.01833	0.02123	0.09169	0.06877	0.04618
0.54	0.8247	-0.2471	0.7243	0.2018	-0.02248	0.01939	0.02077	0.09590	0.06916	0.04797
0.56	0.8186	-0.2440	0.7312	0.2038	-0.02434	0.02050	0.02034	0.10014	0.06956	0.04973
0.58	0.8125	-0.2413	0.7380	0.2053	-0.02627	0.02167	0.01994	0.10438	0.06998	0.05147
0.60	0.8064	-0.2390	0.7448	0.2063	-0.02826	0.02290	0.01959	0.10865	0.07040	0.05318
0.64	0.7940	-0.2354	0.7580	0.2070	-0.03240	0.02555	0.01901	0.11720	0.07126	0.05650
0.68	0.7810	-0.2325	0.7704	0.2060	-0.03675	0.02848	0.01857	0.12578	0.07213	0.05972
0.72	0.7671	-0.2302	0.7817	0.2033	-0.04128	0.03168	0.01830	0.13433	0.07299	0.06282
0.76	0.7521	-0.2282	0.7916	0.1988	-0.04595	0.03518	0.01817	0.14282	0.07381	0.06582
0.80	0.7359	-0.2261	0.8000	0.1929	-0.05074	0.03896	0.01819	0.15123	0.07459	0.06874
0.84	0.7185	-0.2233	0.8066	0.1861	-0.05562	0.04304	0.01832	0.15953	0.07531	0.07157
0.88	0.6999	-0.2197	0.8109	0.1784	-0.06056	0.04739	0.01854	0.16767	0.07596	0.07434
0.92	0.6803	-0.2147	0.8133	0.1702	-0.06554	0.05203	0.01882	0.17567	0.07652	0.07707
0.96	0.6599	-0.2081	0.8135	0.1618	-0.07054	0.05693	0.01913	0.18349	0.07699	0.07976
1.00	0.6388	-0.2003	0.8113	0.1533	-0.07555	0.06209	0.01943	0.19115	0.07738	0.08246

TABLE C45. M = 0.80, τ = 0.30

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0	2.2025	0	0.6808	0	0	0	0.0599	0	0.0922	0
0.02	1.9250	-0.3878	0.6673	0.0234	0.00014	0.00107	0.0541	-0.0035	0.0883	-0.0032
0.04	1.7110	-0.5314	0.6736	0.0412	0.00028	0.00196	0.0494	-0.0015	0.0851	-0.0024
0.06	1.5450	-0.5853	0.6870	0.0540	0.00033	0.00273	0.0461	0.0022	0.0829	-0.0005
0.08	1.4170	-0.5956	0.7056	0.0631	0.00025	0.00343	0.0435	0.0065	0.0812	0.0019
0.10	1.3128	-0.5882	0.7231	0.0701	0.00008	0.00412	0.0416	0.0109	0.0802	0.0045
0.12	1.2334	-0.5748	0.7409	0.0762	-0.00022	0.00478	0.0400	0.0155	0.0793	0.0071
0.14	1.1655	-0.5599	0.7548	0.0806	-0.00060	0.00546	0.0389	0.0201	0.0790	0.0097
0.16	1.1074	-0.5460	0.7648	0.0844	-0.00109	0.00613	0.0380	0.0248	0.0787	0.0122
0.18	1.0578	-0.5332	0.7725	0.0873	-0.00164	0.00682	0.0371	0.0294	0.0787	0.0146
0.20	1.0147	-0.5205	0.7805	0.0889	-0.00231	0.00753	0.0364	0.0341	0.0788	0.0170
0.22	0.9775	-0.5065	0.7897	0.0893	-0.00305	0.00825	0.0358	0.0388	0.0791	0.0194
0.24	0.9449	-0.4929	0.7996	0.0886	-0.00389	0.00896	0.0355	0.0435	0.0794	0.0217
0.26	0.9160	-0.4807	0.8092	0.0868	-0.00481	0.00976	0.0351	0.0482	0.0798	0.0238
0.28	0.8899	-0.4700	0.8186	0.0843	-0.00582	0.01060	0.0348	0.0528	0.0804	0.0260
0.30	0.8660	-0.4603	0.8276	0.0807	-0.00691	0.01149	0.0345	0.0575	0.0809	0.0281
0.32	0.8438	-0.4511	0.8362	0.0759	-0.00808	0.01242	0.0345	0.0623	0.0814	0.0301
0.34	0.8228	-0.4422	0.8441	0.0701	-0.00933	0.01342	0.0343	0.0670	0.0821	0.0321
0.36	0.8028	-0.4337	0.8514	0.0632	-0.01065	0.01446	0.0344	0.0718	0.0828	0.0339
0.38	0.7834	-0.4258	0.8578	0.0555	-0.01203	0.01552	0.0345	0.0766	0.0834	0.0357
0.40	0.7645	-0.4180	0.8632	0.0469	-0.01348	0.01667	0.0348	0.0812	0.0841	0.0374
0.42	0.7460	-0.4102	0.8676	0.0374	-0.01499	0.01787	0.0350	0.0859	0.0847	0.0391
0.44	0.7278	-0.4024	0.8708	0.0273	-0.01655	0.01917	0.0353	0.0906	0.0854	0.0406
0.46	0.7098	-0.3945	0.8726	0.0165	-0.01815	0.02053	0.0358	0.0953	0.0861	0.0422
0.48	0.6921	-0.3862	0.8730	0.0055	-0.01980	0.02198	0.0363	0.0998	0.0867	0.0436
0.50	0.6746	-0.3776	0.8721	-0.0058	-0.02149	0.02348	0.0369	0.1043	0.0873	0.0450
0.52	0.6575	-0.3684	0.8697	-0.0170	-0.02322	0.02505	0.0375	0.1088	0.0878	0.0464
0.54	0.6407	-0.3586	0.8659	-0.0281	-0.02498	0.02668	0.0382	0.1132	0.0883	0.0477
0.56	0.6244	-0.3481	0.8606	-0.0389	-0.02677	0.02837	0.0389	0.1176	0.0888	0.0490
0.58	0.6085	-0.3369	0.8538	-0.0495	-0.02858	0.03012	0.0397	0.1218	0.0892	0.0503
0.60	0.5932	-0.3250	0.8458	-0.0595	-0.03042	0.03195	0.0405	0.1260	0.0896	0.0516
0.64	0.5645	-0.2986	0.8262	-0.0762	-0.03414	0.03575	0.0420	0.1342	0.0903	0.0542
0.68	0.5389	-0.2692	0.8024	-0.0889	-0.03793	0.03982	0.0435	0.1420	0.0907	0.0569
0.72	0.5167	-0.2372	0.7759	-0.0968	-0.04177	0.04412	0.0449	0.1498	0.0911	0.0597
0.76	0.4985	-0.2032	0.7478	-0.0995	-0.04567	0.04864	0.0462	0.1572	0.0913	0.0626
0.80	0.4850	-0.1684	0.7193	-0.0971	-0.04965	0.05340	0.0472	0.1647	0.0916	0.0658
0.84	0.4773	-0.1340	0.6920	-0.0893	-0.05373	0.05835	0.0481	0.1722	0.0920	0.0690
0.88	0.4771	-0.1016	0.6668	-0.0764	-0.05795	0.06348	0.0491	0.1796	0.0827	0.0723

TABLE C46. M = 0, τ = 0.33

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.02	1.3286	-0.0859	0.4012	0.0093	0	0.0009	0.0444	0.0001	0.0667	-0.0003
0.04	1.2795	-0.1253	0.4011	0.0186	0.0001	0.0017	0.0427	0.0017	0.0656	0.0004
0.06	1.2341	-0.1459	0.4009	0.0279	0.0001	0.0025	0.0412	0.0040	0.0645	0.0016
0.08	1.1932	-0.1552	0.4006	0.0372	0.0001	0.0032	0.0397	0.0065	0.0635	0.0031
0.10	1.1560	-0.1569	0.4006	0.0464	0	0.0038	0.0384	0.0093	0.0626	0.0047
0.20	1.0231	-0.1119	0.3982	0.0929	-0.0014	0.0067	0.0325	0.0249	0.0591	0.0140
0.30	0.9428	-0.0367	0.3950	0.1393	-0.0046	0.0092	0.0270	0.0412	0.0566	0.0240
0.40	0.8895	0.0432	0.3903	0.1857	-0.0096	0.0115	0.0210	0.0576	0.0544	0.0341
0.50	0.8512	0.1221	0.3842	0.2322	-0.0162	0.0138	0.0141	0.0740	0.0522	0.0442
0.60	0.8203	0.1987	0.3769	0.2785	-0.0245	0.0160	0.0061	0.0902	0.0499	0.0543
0.70	0.7948	0.2730	0.3679	0.3250	-0.0345	0.0182	-0.0031	0.1064	0.0475	0.0643

TABLE C47. M = 0.7, τ = 0.33

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.02	1.7819	-0.2497	0.5631	0.0182	0.0001	0.0012	0.0599	-0.0026	0.0920	-0.0024
0.04	1.6404	-0.3542	0.5674	0.0342	0.0002	0.0022	0.0558	-0.0007	0.0891	-0.0018
0.06	1.5206	-0.4043	0.5724	0.0487	0.0003	0.0031	0.0525	0.0026	0.0868	0.0002
0.08	1.4211	-0.4258	0.5760	0.0620	0.0003	0.0040	0.0498	0.0065	0.0849	0.0023
0.10	1.3399	-0.4316	0.5817	0.0744	0.0002	0.0047	0.0477	0.0109	0.0835	0.0049
0.20	1.0944	-0.3812	0.6074	0.1284	-0.0021	0.0084	0.0406	0.0345	0.0799	0.0189
0.30	0.9860	-0.3157	0.6352	0.1764	-0.0069	0.0122	0.0360	0.0589	0.0794	0.0330
0.40	0.9315	-0.2654	0.6731	0.2160	-0.0141	0.0167	0.0323	0.0841	0.0811	0.0466
0.50	0.8971	-0.2337	0.7114	0.2453	-0.0238	0.0223	0.0291	0.1100	0.0832	0.0592
0.60	0.8699	-0.2163	0.7524	0.2632	-0.0352	0.0295	0.0269	0.1360	0.0862	0.0708
0.70	0.8438	-0.2084	0.7931	0.2686	-0.0486	0.0389	0.0266	0.1631	0.0896	0.0817

TABLE C48. M = 0, τ = 0.42

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.02	1.4718	-0.0898	0.3646	0.0120	0.0001	0.0017	0.0832	-0.0001	0.1125	-0.0007
0.04	1.4182	-0.1283	0.3643	0.0241	0.0002	0.0032	0.0801	0.0027	0.1102	0.0008
0.06	1.3682	-0.1464	0.3641	0.0362	0.0002	0.0046	0.0772	0.0066	0.1079	0.0032
0.08	1.3239	-0.1521	0.3636	0.0481	0.0002	0.0059	0.0745	0.0111	0.1059	0.0062
0.10	1.2833	-0.1496	0.3634	0.0603	0.0001	0.0072	0.0720	0.0161	0.1040	0.0094
0.20	1.1384	-0.0796	0.3597	0.1205	-0.0023	0.0125	0.0613	0.0438	0.0967	0.0283
0.30	1.0499	0.0221	0.3539	0.1808	-0.0080	0.0172	0.0515	0.0730	0.0911	0.0486
0.40	0.9898	0.1285	0.3459	0.2410	-0.0167	0.0215	0.0410	0.1024	0.0861	0.0691
0.50	0.9441	0.2334	0.3356	0.3013	-0.0285	0.0258	0.0291	0.1316	0.0809	0.0895
0.60	0.9058	0.3357	0.3228	0.3616	-0.0433	0.0299	0.0153	0.1606	0.0754	0.1098
0.70	0.8717	0.4353	0.3076	0.4219	-0.0610	0.0341	-0.0005	0.1896	0.0693	0.1300

TABLE C49. M = 0.5, τ = 0.42

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.02	1.6749	-0.1499	0.4213	0.0160	0.0001	0.0019	0.0948	-0.0019	0.1291	-0.0022
0.04	1.5894	-0.2162	0.4220	0.0316	0.0003	0.0036	0.0902	0.0008	0.1255	-0.0009
0.06	1.5127	-0.2493	0.4229	0.0467	0.0004	0.0051	0.0861	0.0051	0.1222	0.0017
0.08	1.4455	-0.2631	0.4243	0.0617	0.0004	0.0065	0.0825	0.0104	0.1195	0.0051
0.10	1.3877	-0.2651	0.4254	0.0763	0.0003	0.0079	0.0794	0.0163	0.1172	0.0090
0.20	1.1976	-0.1992	0.4303	0.1478	-0.0026	0.0137	0.0673	0.0491	0.1091	0.0315
0.30	1.1028	-0.1007	0.4344	0.2185	-0.0092	0.0192	0.0579	0.0837	0.1045	0.0552
0.40	1.0535	-0.0032	0.4387	0.2892	-0.0194	0.0249	0.0486	0.1186	0.1013	0.0789
0.50	1.0288	0.0897	0.4431	0.3609	-0.0333	0.0311	0.0383	0.1547	0.0987	0.1029
0.60	1.0197	0.1762	0.4489	0.4337	-0.0507	0.0383	0.0271	0.1915	0.0966	0.1268
0.70	1.0238	0.2565	0.4569	0.5070	-0.0719	0.0470	0.0154	0.2298	0.0949	0.1510

TABLE C50. M = 0.6, τ = 0.42

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.02	1.7952	-0.1923	0.4564	0.0188	0.0002	0.0020	0.1017	-0.0031	0.1390	-0.0033
0.04	1.6849	-0.2755	0.4585	0.0367	0.0004	0.0038	0.0960	-0.0005	0.1345	-0.0021
0.06	1.5898	-0.3143	0.4596	0.0537	0.0005	0.0054	0.0909	0.0044	0.1306	0.0009
0.08	1.5073	-0.3321	0.4628	0.0703	0.0005	0.0069	0.0870	0.0102	0.1276	0.0047
0.10	1.4380	-0.3345	0.4655	0.0863	0.0004	0.0083	0.0834	0.0168	0.1249	0.0091
0.20	1.2212	-0.2656	0.4780	0.1630	-0.0028	0.0144	0.0710	0.0531	0.1169	0.0339
0.30	1.1206	-0.1691	0.4910	0.2373	-0.0101	0.0205	0.0620	0.0910	0.1133	0.0596
0.40	1.0732	-0.0791	0.5064	0.3111	-0.0213	0.0271	0.0537	0.1298	0.1116	0.0852
0.50	1.0568	-0.0005	0.5258	0.3843	-0.0363	0.0349	0.0454	0.1699	0.1117	0.1106
0.60	1.0554	0.0681	0.5482	0.4575	-0.0552	0.0445	0.0373	0.2112	0.1095	0.1360
0.70	1.0658	0.1236	0.5769	0.5270	-0.0777	0.0562	0.0298	0.2542	0.1136	0.1610

TABLE C51. M = 0.7, τ = 0.42

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.02	1.9747	-0.2674	0.5124	0.0237	0.0002	0.0022	0.1121	-0.0054	0.1543	-0.0052
0.04	1.8205	-0.3753	0.5167	0.0453	0.0005	0.0042	0.1046	-0.0025	0.1484	-0.0039
0.06	1.6910	-0.4229	0.5200	0.0651	0.0006	0.0059	0.0983	0.0032	0.1435	-0.0004
0.08	1.5837	-0.4417	0.5261	0.0837	0.0006	0.0074	0.0927	0.0102	0.1398	0.0042
0.10	1.4966	-0.4425	0.5320	0.1013	0.0005	0.0088	0.0895	0.0179	0.1368	0.0094
0.20	1.2390	-0.3685	0.5592	0.1819	-0.0034	0.0156	0.0769	0.0597	0.1295	0.0376
0.30	1.1282	-0.2723	0.5904	0.2562	-0.0116	0.0228	0.0696	0.1031	0.1282	0.0662
0.40	1.0789	-0.1984	0.6280	0.3273	-0.0242	0.0313	0.0645	0.1476	0.1301	0.0942
0.50	1.0562	-0.1446	0.6748	0.3872	-0.0408	0.0420	0.0613	0.1935	0.1344	0.1206
0.60	1.0439	-0.1116	0.7289	0.4375	-0.0605	0.0558	0.0602	0.2395	0.1404	0.1444
0.70	1.0334	-0.0965	0.7877	0.4721	-0.0831	0.0738	0.0632	0.2863	0.1481	0.1670

TABLE C52. M = 1, τ = 0.1

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	1.6100	-1.6025	2.2005	-2.1899	0.0003	0.0003	0.0274	-0.0242	0.1075	-0.1066
0.015	1.3161	-1.3070	1.7990	-1.7860	0.0003	0.0003	0.0231	-0.0191	0.0880	-0.0869
0.020	1.1411	-1.1305	1.5598	-1.5447	0.0003	0.0004	0.0205	-0.0160	0.0764	-0.0751
0.025	1.0219	-1.0100	1.3969	-1.3800	0.0004	0.0004	0.0189	-0.0138	0.0684	-0.0670
0.030	0.9339	-0.9209	1.2766	-1.2582	0.0004	0.0005	0.0177	-0.0121	0.0626	-0.0610
0.035	0.8656	-0.8516	1.1834	-1.1634	0.0004	0.0005	0.0168	-0.0108	0.0581	-0.0564
0.040	0.8106	-0.7956	1.1083	-1.0870	0.0005	0.0006	0.0161	-0.0097	0.0544	-0.0526
0.045	0.7651	-0.7493	1.0461	-1.0236	0.0005	0.0006	0.0156	-0.0087	0.0514	-0.0495
0.050	0.7267	-0.7100	0.9936	-0.9698	0.0005	0.0007	0.0151	-0.0079	0.0489	-0.0469
0.060	0.6649	-0.6466	0.9092	-0.8832	0.0005	0.0007	0.0145	-0.0065	0.0448	-0.0426
0.070	0.6170	-0.5972	0.8438	-0.8156	0.0005	0.0008	0.0140	-0.0054	0.0417	-0.0393
0.080	0.5785	-0.5573	0.7912	-0.7611	0.0006	0.0009	0.0136	-0.0045	0.0391	-0.0366
0.090	0.5466	-0.5242	0.7477	-0.7157	0.0006	0.0010	0.0134	-0.0037	0.0370	-0.0343
0.100	0.5198	-0.4961	0.7110	-0.6773	0.0006	0.0011	0.0132	-0.0029	0.0353	-0.0324
0.120	0.4766	-0.4507	0.6521	-0.6152	0.0006	0.0012	0.0129	-0.0017	0.0325	-0.0293
0.140	0.4433	-0.4152	0.6065	-0.5667	0.0006	0.0014	0.0128	-0.0006	0.0303	-0.0269
0.160	0.4165	-0.3865	0.5700	-0.5274	0.0006	0.0015	0.0127	0.0003	0.0286	-0.0250
0.180	0.3944	-0.3626	0.5399	-0.4947	0.0006	0.0017	0.0127	0.0011	0.0271	-0.0233
0.200	0.3758	-0.3423	0.5145	-0.4669	0.0005	0.0019	0.0127	0.0018	0.0259	-0.0219
0.240	0.3461	-0.3094	0.4740	-0.4219	0.0004	0.0022	0.0127	0.0031	0.0240	-0.0196
0.280	0.3232	-0.2836	0.4428	-0.3865	0.0003	0.0026	0.0129	0.0043	0.0226	-0.0178
0.320	0.3050	-0.2626	0.4179	-0.3577	0.0002	0.0029	0.0130	0.0053	0.0214	-0.0164
0.360	0.2900	-0.2450	0.3975	-0.3336	0.0001	0.0033	0.0132	0.0063	0.0205	-0.0151
0.400	0.2774	-0.2300	0.3804	-0.3131	0	0.0037	0.0133	0.0071	0.0197	-0.0141
0.600	0.2359	-0.1779	0.3240	-0.2415	-0.0008	0.0059	0.0141	0.0110	0.0172	-0.0103
0.800	0.2124	-0.1453	0.2920	-0.1968	-0.0017	0.0085	0.0145	0.0144	0.0159	-0.0078
1.000	0.1971	-0.1221	0.2713	-0.1648	-0.0025	0.0114	0.0148	0.0176	0.0151	-0.0061
1.500	0.1752	-0.0834	0.2418	-0.1113	-0.0037	0.0197	0.0146	-0.0063	0.0140	-0.0030
2.000	0.1638	-0.0576	0.2264	-0.0757	-0.0034	0.0285	0.0136	0.0335	0.0135	-0.0008
2.500	0.1569	-0.0382	0.2173	-0.0488	-0.0015	0.0369	0.0120	0.0423	0.0133	0.0009
3.000	0.1525	-0.0224	0.2115	-0.0267	0.0014	0.0439	0.0104	0.0520	0.0132	0.0024
3.500	0.1496	-0.0089	0.2076	-0.0078	0.0045	0.0492	0.0092	0.0624	0.0132	0.0037

TABLE C53. M = 10/9, τ = 0.1

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	0.2629	-0.0008	0.3681	-0.0012	0	0.0002	0.0261	-0.0017	0.0263	-0.0001
0.015	0.2629	-0.0013	0.3680	-0.0019	0	0.0004	0.0259	-0.0027	0.0263	-0.0002
0.025	0.2629	-0.0021	0.3680	-0.0030	0.0001	0.0006	0.0254	-0.0043	0.0263	-0.0003
0.034	0.2628	-0.0029	0.3680	-0.0077	0.0002	0.0008	0.0245	-0.0058	0.0263	-0.0004
0.049	0.2628	-0.0042	0.3679	-0.0061	0.0005	0.0011	0.0227	-0.0078	0.0263	-0.0006
0.053	0.2627	-0.0046	0.3678	-0.0065	0.0005	0.0012	0.0222	-0.0083	0.0263	-0.0006
0.057	0.2627	-0.0049	0.3678	-0.0070	0.0006	0.0012	0.0216	-0.0086	0.0263	-0.0007
0.066	0.2627	-0.0057	0.3677	-0.0082	0.0008	0.0013	0.0201	-0.0095	0.0263	-0.0008
0.076	0.2626	-0.0065	0.3676	-0.0093	0.0010	0.0014	0.0185	-0.0101	0.0262	-0.0009
0.080	0.2626	-0.0068	0.3676	-0.0098	0.0010	0.0014	0.0179	-0.0103	0.0262	-0.0009
0.085	0.2625	-0.0073	0.3675	-0.0105	0.0012	0.0014	0.0168	-0.0104	0.0262	-0.0010
0.095	0.2624	-0.0081	0.3674	-0.0117	0.0013	0.0013	0.0151	-0.0105	0.0262	-0.0011
0.104	0.2623	-0.0089	0.3672	-0.0128	0.0015	0.0013	0.0134	-0.0103	0.0262	-0.0012
0.123	0.2621	-0.0106	0.3669	-0.0151	0.0016	0.0011	0.0102	-0.0091	0.0262	-0.0014
0.133	0.2620	-0.0114	0.3667	-0.0163	0.0017	0.0009	0.0088	-0.0082	0.0262	-0.0015
0.142	0.2619	-0.0122	0.3665	-0.0174	0.0017	0.0008	0.0075	-0.0071	0.0261	-0.0016
0.160	0.2616	-0.0136	0.3661	-0.0195	0.0015	0.0005	0.0057	-0.0047	0.0261	-0.0018
0.180	0.2612	-0.0154	0.3656	-0.0220	0.0011	0.0003	0.0045	-0.0013	0.0260	-0.0020
0.200	0.2609	-0.0169	0.3651	-0.0243	0.0007	0.0002	0.0045	0.0018	0.0260	-0.0023
0.209	0.2607	-0.0177	0.3648	-0.0254	0.0004	0.0003	0.0048	0.0032	0.0260	-0.0024
0.238	0.2600	-0.0201	0.3639	-0.0288	-0.0004	0.0007	0.0067	0.0069	0.0259	-0.0027
0.266	0.2593	-0.0224	0.3628	-0.0321	-0.0011	0.0015	0.0097	0.0090	0.0257	-0.0030
0.304	0.2582	-0.0255	0.3612	-0.0365	-0.0013	0.0030	0.0138	0.0090	0.0256	-0.0034
0.342	0.2570	-0.0285	0.3595	-0.0408	-0.0007	0.0044	0.0160	0.0068	0.0254	-0.0038
0.399	0.2549	-0.0329	0.3564	-0.0471	0.0011	0.0049	0.0146	0.0032	0.0251	-0.0043
0.475	0.2516	-0.0385	0.3518	-0.0551	0.0015	0.0030	0.0091	0.0051	0.0246	-0.0051
0.570	0.2469	-0.0450	0.3449	-0.0644	-0.0023	0.0034	0.0106	0.0130	0.0239	-0.0059
0.665	0.2416	-0.0509	0.3371	-0.0728	-0.0022	0.0082	0.0160	0.0117	0.0231	-0.0066
0.760	0.2356	-0.0561	0.3285	-0.0802	0.0011	0.0079	0.0123	0.0093	0.0222	-0.0073
0.855	0.2291	-0.0607	0.3192	-0.0866	-0.0018	0.0058	0.0102	0.0153	0.0213	-0.0078
0.950	0.2223	-0.0644	0.3093	-0.0919	-0.0047	0.0105	0.0152	0.0174	0.0203	-0.0082
1.140	0.2078	-0.0695	0.2883	-0.0988	-0.0007	0.0103	0.0106	0.0175	0.0182	-0.0086
1.900	0.1536	-0.0593	0.2107	-0.0828	-0.0057	0.0240	0.0135	0.0303	0.0110	-0.0056

TABLE C54. M = 1.25, τ = 0.1

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.011	0.1698	-0.0001	0.2207	-0.0002	0	0.0002	0.0170	-0.0004	0	0
0.025	0.1698	-0.0003	0.2377	-0.0005	0	0.0004	0.0168	-0.0008	0.0170	0
0.050	0.1698	-0.0007	0.2377	-0.0010	0.0001	0.0008	0.0165	-0.0016	0.0170	-0.0001
0.054	0.1697	-0.0007	0.2376	-0.0010	0.0002	0.0009	0.0164	-0.0017	0.0170	-0.0001
0.058	0.1697	-0.0008	0.2376	-0.0011	0	0.0009	0.0164	-0.0018	0.0170	-0.0001
0.061	0.1697	-0.0008	0.2376	-0.0012	0.0002	0.0010	0.0162	-0.0019	0.0170	-0.0001
0.065	0.1697	-0.0009	0.2376	-0.0012	0.0002	0.0010	0.0161	-0.0020	0.0170	-0.0001
0.072	0.1697	-0.0010	0.2376	-0.0014	0.0003	0.0011	0.0159	-0.0022	0.0170	-0.0001
0.079	0.1697	-0.0010	0.2376	-0.0015	0.0003	0.0012	0.0157	-0.0024	0.0170	-0.0001
0.086	0.1697	-0.0011	0.2376	-0.0016	0.0004	0.0013	0.0155	-0.0026	0.0170	-0.0002
0.094	0.1697	-0.0012	0.2376	-0.0018	0.0005	0.0014	0.0153	-0.0027	0.0170	-0.0002
0.101	0.1697	0	0.2376	-0.0020	0.0005	0.0015	0.0150	-0.0028	0.0170	-0.0002
0.108	0.1697	-0.0014	0.2376	-0.0020	0.0006	0.0016	0.0147	-0.0029	0.0170	-0.0002
0.119	0.1697	-0.0016	0.2375	-0.0022	0.0007	0.0017	0.0143	-0.0031	0.0170	-0.0002
0.126	0.1697	-0.0017	0.2375	-0.0024	0.0008	0.0017	0.0140	-0.0031	0.0170	-0.0002
0.133	0.1697	-0.0018	0.2375	-0.0025	0.0008	0.0018	0.0137	-0.0032	0.0170	-0.0002
0.140	0.1696	-0.0018	0.2375	-0.0027	0.0009	0.0018	0.0134	-0.0032	0.0170	-0.0002
0.148	0.1696	-0.0019	0.2375	-0.0028	0.0010	0.0018	0.0131	-0.0032	0.0170	-0.0003
0.158	0.1696	-0.0021	0.2374	-0.0030	0.0011	0.0019	0.0126	-0.0032	0.0170	-0.0003
0.169	0.1696	-0.0022	0.2374	-0.0032	0.0012	0.0019	0.0121	-0.0031	0.0169	-0.0003
0.176	0.1696	-0.0023	0.2374	-0.0033	0.0013	0.0019	0.0118	-0.0030	0.0169	-0.0003
0.191	0.1695	-0.0025	0.2373	-0.0036	0.0014	0.0019	0.0111	-0.0028	0.0169	-0.0003
0.198	0.1695	-0.0026	0.2373	-0.0037	0.0014	0.0019	0.0108	-0.0027	0.0169	-0.0003
0.223	0.1694	-0.0029	0.2372	-0.0042	0.0016	0.0019	0.0096	-0.0020	0.0169	-0.0004
0.241	0.1694	-0.0032	0.2371	-0.0045	0.0016	0.0018	0.0089	-0.0014	0.0169	-0.0004
0.266	0.1693	-0.0035	0.2370	-0.0050	0.0016	0.0016	0.0080	-0.0004	0.0169	-0.0005
0.281	0.1693	-0.0037	0.2369	-0.0053	0.0016	0.0016	0.0076	0.0003	0.0169	-0.0005
0.299	0.1692	-0.0039	0.2368	-0.0056	0.0015	0.0014	0.0071	0.0011	0.0169	-0.0005
0.331	0.1691	-0.0043	0.2367	-0.0062	0.0012	0.0013	0.0066	0.0029	0.0169	-0.0006
0.353	0.1690	-0.0046	0.2365	-0.0066	0.0009	0.0012	0.0064	0.0041	0.0169	-0.0006
0.360	0.1689	-0.0047	0.2365	-0.0067	0.0008	0.0012	0.0064	0.0045	0.0169	-0.0006
0.396	0.1688	-0.0051	0.2362	-0.0074	0.0002	0.0013	0.0067	0.0064	0.0168	-0.0007
0.432	0.1686	-0.0056	0.2360	-0.0080	-0.0005	0.0015	0.0073	0.0082	0.0168	-0.0007
0.468	0.1684	-0.0060	0.2357	-0.0087	-0.0012	0.0020	0.0083	0.0096	0.0168	-0.0008
0.504	0.1682	-0.0065	0.2354	-0.0093	-0.0018	0.0027	0.0095	0.0107	0.0167	-0.0009
0.594	0.1675	-0.0076	0.2345	-0.0108	-0.0026	0.0052	0.0124	0.0115	0.0166	-0.0010
0.792	0.1659	-0.0098	0.2320	-0.0140	-0.0001	0.0088	0.0126	0.0095	0.0164	-0.0013
0.900	0.1648	-0.0109	0.2304	-0.0156	0.0008	0.0080	0.0101	0.0110	0.0162	-0.0014
1.800	0.1516	-0.0164	0.2113	-0.0233	-0.0049	0.0183	0.0113	0.0265	0.0143	-0.0020
3.600	0.1194	-0.0018	0.1652	-0.0015	0.0061	0.0351	0.0060	0.0538	0.0099	0.0008

TABLE C55. M = 10/7, τ = 0.1

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	0.1248	0	0.1747	0	0	0.0001	0.0125	-0.0001	0.0125	0
0.015	0.1248	0	0.1747	0	0	0.0002	0.0125	-0.0001	0.0125	0
0.025	0.1248	0	0.1747	0	0	0.0003	0.0124	-0.0001	0.0125	0
0.041	0.1248	0	0.1747	0	0	0.0005	0.0124	-0.0002	0.0125	0
0.051	0.1248	0	0.1747	0	0.0001	0.0006	0.0123	-0.0003	0.0125	0
0.056	0.1248	0	0.1747	0	0.0001	0.0007	0.0123	-0.0003	0.0125	0
0.061	0.1248	0	0.1747	0	0.0001	0.0007	0.0123	-0.0003	0.0125	0
0.066	0.1248	0	0.1747	0	0.0001	0.0008	0.0122	-0.0003	0.0125	0
0.071	0.1248	0	0.1747	0.0001	0.0001	0.0009	0.0122	-0.0003	0.0125	0
0.076	0.1248	0	0.1747	0.0001	0.0001	0.0009	0.0122	-0.0004	0.0125	0
0.082	0.1248	0	0.1747	0.0001	0.0001	0.0010	0.0121	-0.0004	0.0125	0
0.087	0.1248	0	0.1747	0.0001	0.0002	0.0010	0.0121	-0.0004	0.0125	0
0.092	0.1248	0	0.1747	0.0001	0.0002	0.0011	0.0120	-0.0004	0.0125	0
0.102	0.1248	0.0001	0.1747	0.0001	0.0002	0.0012	0.0119	-0.0004	0.0125	0
0.112	0.1248	0.0001	0.1747	0.0001	0.0003	0.0013	0.0118	-0.0004	0.0125	0
0.122	0.1248	0.0001	0.1747	0.0001	0.0003	0.0014	0.0117	-0.0004	0.0125	0
0.133	0.1248	0.0001	0.1747	0.0001	0.0004	0.0015	0.0116	-0.0004	0.0125	0
0.143	0.1248	0.0001	0.1747	0.0001	0.0004	0.0016	0.0114	-0.0004	0.0125	0
0.153	0.1248	0.0001	0.1747	0.0001	0.0005	0.0017	0.0113	-0.0004	0.0125	0
0.158	0.1248	0.0001	0.1747	0.0001	0.0005	0.0017	0.0112	-0.0004	0.0125	0
0.168	0.1248	0.0001	0.1747	0.0001	0.0006	0.0018	0.0111	-0.0004	0.0125	0
0.179	0.1248	0.0001	0.1747	0.0001	0.0006	0.0019	0.0109	-0.0003	0.0125	0
0.189	0.1248	0.0001	0.1746	0.0001	0.0007	0.0020	0.0107	-0.0003	0.0125	0
0.199	0.1247	0.0001	0.1746	0.0001	0.0007	0.0020	0.0106	-0.0002	0.0125	0
0.209	0.1247	0.0001	0.1746	0.0001	0.0008	0.0021	0.0104	-0.0001	0.0125	0
0.224	0.1247	0.0001	0.1746	0.0002	0.0009	0.0022	0.0101	0	0.0125	0
0.240	0.1247	0.0001	0.1746	0.0002	0.0010	0.0022	0.0099	0.0001	0.0125	0
0.270	0.1247	0.0001	0.1746	0.0002	0.0011	0.0023	0.0093	0.0005	0.0125	0
0.301	0.1247	0.0002	0.1745	0.0002	0.0012	0.0024	0.0088	0.0010	0.0125	0
0.342	0.1246	0.0002	0.1745	0.0003	0.0013	0.0024	0.0082	0.0018	0.0125	0
0.408	0.1245	0.0002	0.1743	0.0003	0.0013	0.0023	0.0073	0.0034	0.0124	0
0.510	0.1244	0.0003	0.1741	0.0004	0.0006	0.0022	0.0069	0.0063	0.0124	0
0.612	0.1242	0.0004	0.1739	0.0005	-0.0006	0.0027	0.0074	0.0092	0.0124	0
0.791	0.1238	0.0005	0.1733	0.0007	-0.0029	0.0053	0.0100	0.0123	0.0123	0.0001
0.995	0.1233	0.0007	0.1725	0.0010	-0.0030	0.0099	0.0119	0.0127	0.0123	0.0001
1.275	0.1224	0.0011	0.1712	0.0016	0.0001	0.0125	0.0095	0.0139	0.0121	0.0002
2.550	0.1158	0.0047	0.1617	0.0069	0.0008	0.0227	0.0070	0.0325	0.0111	0.0007
5.100	0.0992	0.0246	0.1378	0.0357	0.0017	0.0434	0.0090	0.0659	0.0088	0.0038

TABLE C56. M = 5/3, τ = 0.1

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.013	0.0955	0.0001	0.1337	0.0001	0	0.0001	0.0095	0	0.0095	0
0.019	0.0955	0.0001	0.1337	0.0001	0	0.0002	0.0095	0.0001	0.0095	0
0.026	0.0955	0.0001	0.1337	0.0002	0	0.0002	0.0095	0.0001	0.0095	0
0.051	0.0955	0.0002	0.1337	0.0003	0	0.0005	0.0095	0.0002	0.0095	0
0.058	0.0955	0.0002	0.1337	0.0003	0	0.0005	0.0095	0.0002	0.0095	0
0.064	0.0955	0.0003	0.1337	0.0004	0	0.0006	0.0095	0.0002	0.0095	0
0.070	0.0955	0.0003	0.1337	0.0004	0.0001	0.0007	0.0095	0.0002	0.0095	0
0.077	0.0955	0.0003	0.1337	0.0005	0.0001	0.0007	0.0094	0.0003	0.0095	0
0.083	0.0955	0.0003	0.1337	0.0005	0.0001	0.0008	0.0094	0.0003	0.0095	0
0.090	0.0955	0.0004	0.1337	0.0005	0.0001	0.0008	0.0094	0.0003	0.0095	0
0.096	0.0955	0.0004	0.1337	0.0006	0.0001	0.0009	0.0094	0.0003	0.0095	0.0001
0.102	0.0955	0.0004	0.1337	0.0006	0.0001	0.0010	0.0094	0.0004	0.0095	0.0001
0.109	0.0955	0.0005	0.1337	0.0007	0.0001	0.0010	0.0093	0.0004	0.0095	0.0001
0.115	0.0955	0.0005	0.1337	0.0007	0.0001	0.0011	0.0093	0.0004	0.0095	0.0001
0.122	0.0955	0.0005	0.1337	0.0007	0.0001	0.0011	0.0093	0.0005	0.0095	0.0001
0.128	0.0955	0.0005	0.1337	0.0008	0.0002	0.0012	0.0093	0.0005	0.0095	0.0001
0.134	0.0955	0.0006	0.1337	0.0008	0.0002	0.0012	0.0092	0.0005	0.0095	0.0001
0.141	0.0955	0.0006	0.1337	0.0008	0.0002	0.0013	0.0092	0.0005	0.0095	0.0001
0.154	0.0955	0.0006	0.1337	0.0009	0.0002	0.0014	0.0091	0.0006	0.0095	0.0001
0.160	0.0955	0.0007	0.1337	0.0010	0.0002	0.0014	0.0091	0.0007	0.0095	0.0001
0.173	0.0955	0.0007	0.1337	0.0010	0.0003	0.0015	0.0090	0.0007	0.0095	0.0001
0.186	0.0955	0.0008	0.1337	0.0011	0.0003	0.0016	0.0090	0.0008	0.0095	0.0001
0.198	0.0955	0.0008	0.1337	0.0012	0.0004	0.0017	0.0089	0.0009	0.0095	0.0001
0.218	0.0955	0.0009	0.1337	0.0013	0.0004	0.0019	0.0087	0.0010	0.0095	0.0001
0.243	0.0955	0.0010	0.1337	0.0015	0.0005	0.0020	0.0086	0.0012	0.0095	0.0001
0.269	0.0955	0.0011	0.1336	0.0016	0.0006	0.0022	0.0084	0.0014	0.0095	0.0001
0.301	0.0954	0.0013	0.1336	0.0018	0.0007	0.0023	0.0082	0.0017	0.0095	0.0002
0.352	0.0954	0.0015	0.1336	0.0021	0.0008	0.0025	0.0078	0.0023	0.0095	0.0002
0.416	0.0954	0.0017	0.1336	0.0025	0.0009	0.0027	0.0073	0.0032	0.0095	0.0002
0.512	0.0954	0.0021	0.1335	0.0031	0.0009	0.0029	0.0068	0.0047	0.0095	0.0003
0.608	0.0953	0.0026	0.1334	0.0037	0.0006	0.0030	0.0066	0.0064	0.0095	0.0003
0.800	0.0952	0.0034	0.1332	0.0048	-0.0009	0.0038	0.0071	0.0098	0.0095	0.0004
0.992	0.0950	0.0042	0.1330	0.0060	-0.0027	0.0060	0.0085	0.0122	0.0095	0.0006
1.600	0.0943	0.0069	0.1320	0.0099	-0.0003	0.0150	0.0083	0.0152	0.0094	0.0009
3.200	0.0910	0.0150	0.1272	0.0215	0.0051	0.0240	0.0045	0.0352	0.0089	0.0020
6.400	0.0824	0.0373	0.1148	0.0537	-0.0066	0.0520	0.0109	0.0684	0.0077	0.0052

TABLE C57. M = 2, τ = 0.1

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.0735	0	0.1029	0.0001	0	0.0001	0.0074	0	0.0074	0
0.015	0.0735	0.0001	0.1029	0.0001	0	0.0001	0.0073	0.0001	0.0074	0
0.023	0.0735	0.0001	0.1029	0.0002	0	0.0002	0.0073	0.0001	0.0074	0
0.037	0.0735	0.0002	0.1029	0.0003	0	0.0003	0.0073	0.0002	0.0074	0
0.052	0.0735	0.0003	0.1029	0.0004	0	0.0004	0.0073	0.0003	0.0074	0
0.060	0.0735	0.0003	0.1029	0.0004	0	0.0004	0.0073	0.0003	0.0074	0
0.067	0.0735	0.0003	0.1029	0.0005	0	0.0005	0.0073	0.0004	0.0074	0
0.075	0.0735	0.0004	0.1029	0.0005	0	0.0005	0.0073	0.0004	0.0074	0
0.083	0.0735	0.0004	0.1029	0.0006	0	0.0006	0.0073	0.0005	0.0074	0.0001
0.090	0.0735	0.0004	0.1029	0.0006	0	0.0007	0.0073	0.0005	0.0074	0.0001
0.098	0.0735	0.0005	0.1029	0.0007	0	0.0007	0.0073	0.0006	0.0074	0.0001
0.105	0.0735	0.0005	0.1029	0.0007	0.0001	0.0008	0.0073	0.0006	0.0074	0.0001
0.112	0.0735	0.0006	0.1029	0.0008	0.0001	0.0008	0.0073	0.0007	0.0074	0.0001
0.128	0.0735	0.0006	0.1029	0.0009	0.0001	0.0009	0.0072	0.0008	0.0074	0.0001
0.135	0.0735	0.0007	0.1029	0.0009	0.0001	0.0010	0.0072	0.0008	0.0074	0.0001
0.143	0.0735	0.0007	0.1029	0.0010	0.0001	0.0010	0.0072	0.0009	0.0074	0.0001
0.150	0.0735	0.0007	0.1029	0.0011	0.0001	0.0011	0.0072	0.0009	0.0074	0.0001
0.158	0.0735	0.0008	0.1029	0.0011	0.0001	0.0011	0.0072	0.0010	0.0074	0.0001
0.173	0.0735	0.0008	0.1029	0.0012	0.0001	0.0012	0.0072	0.0011	0.0074	0.0001
0.188	0.0735	0.0009	0.1029	0.0013	0.0002	0.0013	0.0071	0.0012	0.0074	0.0001
0.202	0.0735	0.0010	0.1029	0.0014	0.0002	0.0014	0.0071	0.0013	0.0074	0.0001
0.218	0.0735	0.0011	0.1029	0.0015	0.0002	0.0015	0.0070	0.0014	0.0074	0.0001
0.240	0.0735	0.0012	0.1029	0.0017	0.0002	0.0016	0.0070	0.0015	0.0073	0.0002
0.263	0.0735	0.0013	0.1029	0.0018	0.0003	0.0018	0.0069	0.0017	0.0073	0.0002
0.278	0.0735	0.0014	0.1029	0.0019	0.0003	0.0019	0.0069	0.0018	0.0073	0.0002
0.300	0.0735	0.0015	0.1029	0.0021	0.0003	0.0020	0.0068	0.0020	0.0073	0.0002
0.337	0.0735	0.0017	0.1029	0.0024	0.0004	0.0022	0.0067	0.0023	0.0073	0.0002
0.413	0.0735	0.0020	0.1029	0.0029	0.0005	0.0025	0.0064	0.0030	0.0073	0.0003
0.487	0.0735	0.0024	0.1029	0.0034	0.0006	0.0028	0.0062	0.0038	0.0073	0.0003
0.600	0.0735	0.0029	0.1028	0.0042	0.0006	0.0031	0.0059	0.0050	0.0073	0.0004
0.788	0.0734	0.0039	0.1028	0.0055	0.0001	0.0037	0.0058	0.0074	0.0073	0.0005
1.013	0.0733	0.0050	0.1027	0.0071	-0.0011	0.0049	0.0064	0.0100	0.0073	0.0007
1.875	0.0730	0.0093	0.1021	0.0133	-0.0003	0.0152	0.0068	0.0152	0.0073	0.0012
3.750	0.0714	0.0191	0.0999	0.0274	0.0041	0.0234	0.0045	0.0344	0.0070	0.0026
7.500	0.0671	0.0415	0.0937	0.0597	0.0025	0.0471	0.0046	0.0689	0.0064	0.0057

TABLE C58. M = 5/2, τ = 0.1

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.0556	0	0.0778	0.0001	0	0	0.0056	0.0001	0.0056	0
0.017	0.0556	0.0001	0.0778	0.0001	0	0.0001	0.0056	0.0001	0.0056	0
0.025	0.0556	0.0001	0.0778	0.0002	0	0.0001	0.0056	0.0001	0.0056	0
0.050	0.0556	0.0002	0.0778	0.0003	0	0.0003	0.0056	0.0003	0.0056	0
0.059	0.0556	0.0003	0.0778	0.0004	0	0.0003	0.0055	0.0003	0.0056	0
0.067	0.0556	0.0003	0.0778	0.0004	0	0.0004	0.0055	0.0004	0.0056	0
0.076	0.0556	0.0003	0.0778	0.0005	0	0.0004	0.0055	0.0004	0.0056	0
0.084	0.0556	0.0004	0.0778	0.0005	0	0.0005	0.0055	0.0005	0.0056	0.0001
0.092	0.0556	0.0004	0.0778	0.0006	0	0.0005	0.0055	0.0005	0.0056	0.0001
0.101	0.0556	0.0005	0.0778	0.0006	0	0.0006	0.0055	0.0006	0.0056	0.0001
0.109	0.0556	0.0005	0.0778	0.0007	0	0.0006	0.0055	0.0007	0.0056	0.0001
0.118	0.0556	0.0005	0.0778	0.0008	0	0.0006	0.0055	0.0007	0.0056	0.0001
0.126	0.0556	0.0006	0.0778	0.0008	0	0.0007	0.0055	0.0008	0.0056	0.0001
0.134	0.0556	0.0006	0.0778	0.0009	0	0.0007	0.0055	0.0008	0.0056	0.0001
0.143	0.0556	0.0006	0.0778	0.0009	0	0.0008	0.0055	0.0009	0.0056	0.0001
0.151	0.0556	0.0007	0.0778	0.0010	0	0.0008	0.0055	0.0009	0.0056	0.0001
0.160	0.0556	0.0007	0.0778	0.0010	0	0.0009	0.0055	0.0010	0.0056	0.0001
0.176	0.0556	0.0008	0.0778	0.0011	0.0001	0.0010	0.0055	0.0011	0.0056	0.0001
0.193	0.0556	0.0009	0.0778	0.0012	0.0001	0.0010	0.0055	0.0012	0.0056	0.0001
0.202	0.0556	0.0009	0.0778	0.0013	0.0001	0.0011	0.0055	0.0012	0.0056	0.0001
0.218	0.0556	0.0010	0.0778	0.0014	0.0001	0.0012	0.0054	0.0013	0.0056	0.0001
0.244	0.0556	0.0011	0.0778	0.0016	0.0001	0.0013	0.0054	0.0015	0.0056	0.0001
0.260	0.0556	0.0012	0.0778	0.0017	0.0001	0.0014	0.0054	0.0016	0.0056	0.0002
0.286	0.0556	0.0013	0.0778	0.0018	0.0001	0.0015	0.0054	0.0018	0.0056	0.0002
0.302	0.0556	0.0014	0.0778	0.0019	0.0002	0.0016	0.0053	0.0019	0.0056	0.0002
0.328	0.0556	0.0015	0.0778	0.0021	0.0002	0.0017	0.0053	0.0020	0.0056	0.0002
0.361	0.0556	0.0016	0.0778	0.0023	0.0002	0.0019	0.0053	0.0023	0.0056	0.0002
0.403	0.0556	0.0018	0.0778	0.0026	0.0002	0.0020	0.0052	0.0026	0.0056	0.0002
0.437	0.0556	0.0020	0.0778	0.0028	0.0003	0.0022	0.0052	0.0028	0.0056	0.0003
0.504	0.0556	0.0023	0.0778	0.0033	0.0003	0.0024	0.0051	0.0033	0.0056	0.0003
0.588	0.0555	0.0026	0.0778	0.0038	0.0003	0.0027	0.0050	0.0040	0.0056	0.0004
0.798	0.0555	0.0036	0.0777	0.0051	0.0002	0.0034	0.0048	0.0058	0.0056	0.0005
1.008	0.0555	0.0045	0.0777	0.0065	-0.0003	0.0042	0.0050	0.0076	0.0055	0.0006
2.016	0.0553	0.0091	0.0775	0.0130	-0.0007	0.0127	0.0056	0.0135	0.0055	0.0012
2.100	0.0553	0.0095	0.0774	0.0136	-0.0003	0.0133	0.0053	0.0140	0.0055	0.0013
4.200	0.0547	0.0192	0.0765	0.0275	0.0003	0.0213	0.0053	0.0307	0.0054	0.0026
8.400	0.0527	0.0397	0.0737	0.0569	0.0028	0.0411	0.0038	0.0621	0.0051	0.0053

TABLE C59. M = 1, τ = 0.2

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	2.2822	-2.2610	2.8158	-2.7875	0.0010	0.0011	0.1116	-0.0989	0.3054	-0.3003
0.015	1.8677	-1.8417	2.3049	-2.2701	0.0012	0.0013	0.0937	-0.0782	0.2504	-0.2442
0.020	1.6212	-1.5913	2.0011	-1.9610	0.0014	0.0016	0.0833	-0.0655	0.2178	-0.2106
0.025	1.4534	-1.4199	1.7943	-1.7494	0.0015	0.0018	0.0765	-0.0565	0.1956	-0.1875
0.030	1.3299	-1.2932	1.6422	-1.5930	0.0017	0.0020	0.0717	-0.0497	0.1793	-0.1705
0.035	1.2340	-1.1943	1.5241	-1.4709	0.0018	0.0022	0.0680	-0.0443	0.1667	-0.1571
0.040	1.1570	-1.1146	1.4292	-1.3724	0.0019	0.0023	0.0652	-0.0398	0.1565	-0.1463
0.045	1.0933	-1.0483	1.3508	-1.2905	0.0020	0.0025	0.0629	-0.0360	0.1482	-0.1374
0.050	1.0397	-0.9921	1.2848	-1.2211	0.0020	0.0027	0.0611	-0.0327	0.1411	-0.1297
0.060	0.9533	-0.9013	1.1784	-1.1089	0.0022	0.0030	0.0583	-0.0272	0.1299	-0.1174
0.070	0.8865	-0.8305	1.0964	-1.0212	0.0022	0.0033	0.0563	-0.0227	0.1212	-0.1077
0.080	0.8330	-0.7730	1.0305	-0.9502	0.0023	0.0037	0.0548	-0.0190	0.1142	-0.0999
0.090	0.7888	-0.7252	0.9763	-0.8911	0.0024	0.0040	0.0537	-0.0157	0.1085	-0.0933
0.100	0.7517	-0.6846	0.9306	-0.8408	0.0024	0.0043	0.0529	-0.0128	0.1038	-0.0877
0.120	0.6922	-0.6188	0.8577	-0.7592	0.0025	0.0049	0.0518	-0.0078	0.0962	-0.0786
0.140	0.6465	-0.5671	0.8015	-0.6952	0.0025	0.0055	0.0511	-0.0037	0.0904	-0.0713
0.160	0.6099	-0.5251	0.7567	-0.6431	0.0024	0.0062	0.0508	0	0.0858	-0.0654
0.180	0.5800	-0.4900	0.7200	-0.5995	0.0023	0.0068	0.0506	0.0032	0.0821	-0.0605
0.200	0.5548	-0.4600	0.6893	-0.5622	0.0022	0.0075	0.0506	0.0061	0.0790	-0.0562
0.240	0.5149	-0.4111	0.6405	-0.5014	0.0019	0.0088	0.0509	0.0113	0.0741	-0.0492
0.280	0.4845	-0.3723	0.6035	-0.4531	0.0015	0.0102	0.0513	0.0158	0.0705	-0.0435
0.320	0.4605	-0.3406	0.5742	-0.4135	0.0011	0.0117	0.0519	0.0199	0.0676	-0.0389
0.360	0.4410	-0.3138	0.5505	-0.3800	0.0006	0.0132	0.0525	0.0236	0.0654	-0.0349
0.400	0.4248	-0.2907	0.5308	-0.3511	0.0001	0.0148	0.0531	0.0271	0.0636	-0.0314
0.600	0.3727	-0.2084	0.4681	-0.2479	-0.0031	0.0236	0.0560	0.0422	0.0581	-0.0186
0.800	0.3447	-0.1550	0.4347	-0.1804	-0.0065	0.0338	0.0581	0.0553	0.0555	-0.0099
1.000	0.3275	-0.1153	0.4144	-0.1300	-0.0098	0.0453	0.0593	0.0676	0.0541	-0.0032
1.500	0.3051	-0.0448	0.3885	-0.0397	-0.0150	0.0779	0.0591	0.0970	0.0530	0.0095
2.000	0.2949	0.0062	0.3774	0.0262	-0.0145	0.1131	0.0552	0.1275	0.0530	0.0194
2.500	0.2897	0.0477	0.3720	0.0804	-0.0078	0.1470	0.0493	0.1605	0.0533	0.0279
3.000	0.2868	0.0840	0.3690	0.1280	0.0032	0.1762	0.0432	0.1967	0.0536	0.0356
3.500	0.2849	0.1169	0.3673	0.1715	0.0154	0.1990	0.0376	0.2360	0.0539	0.0429

TABLE C60. M = 10/9, τ = 0.2

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	0.5258	-0.0033	0.6835	-0.0045	0.0001	0.0010	0.1046	-0.0065	0.1052	-0.0009
0.015	0.5257	-0.0052	0.6834	-0.0071	0.0002	0.0016	0.1038	-0.0104	0.1051	-0.0014
0.025	0.5255	-0.0085	0.6832	-0.0116	0.0005	0.0025	0.1017	-0.0166	0.1051	-0.0023
0.034	0.5253	-0.0117	0.6828	-0.0160	0.0009	0.0034	0.0985	-0.0225	0.1050	-0.0031
0.049	0.5248	-0.0169	0.6821	-0.0231	0.0019	0.0045	0.0917	-0.0305	0.1049	-0.0045
0.053	0.5246	-0.0182	0.6819	-0.0249	0.0021	0.0047	0.0898	-0.0323	0.1048	-0.0049
0.057	0.5244	-0.0195	0.6816	-0.0266	0.0024	0.0049	0.0876	-0.0339	0.1048	-0.0052
0.066	0.5239	-0.0227	0.6809	-0.0310	0.0031	0.0053	0.0820	-0.0373	0.1046	-0.0061
0.076	0.5234	-0.0259	0.6802	-0.0354	0.0038	0.0056	0.0758	-0.0398	0.1044	-0.0069
0.080	0.5232	-0.0272	0.6799	-0.0372	0.0041	0.0057	0.0733	-0.0406	0.1044	-0.0072
0.085	0.5228	-0.0291	0.6793	-0.0398	0.0045	0.0057	0.0694	-0.0414	0.1043	-0.0078
0.095	0.5221	-0.0323	0.6784	-0.0441	0.0052	0.0056	0.0627	-0.0420	0.1041	-0.0086
0.104	0.5213	-0.0355	0.6773	-0.0484	0.0058	0.0054	0.0561	-0.0415	0.1038	-0.0094
0.123	0.5196	-0.0417	0.6748	-0.0570	0.0066	0.0047	0.0434	-0.0378	0.1033	-0.0111
0.133	0.5186	-0.0448	0.6734	-0.0612	0.0068	0.0042	0.0377	-0.0346	0.1030	-0.0119
0.142	0.5175	-0.0479	0.6719	-0.0654	0.0069	0.0036	0.0325	-0.0306	0.1027	-0.0127
0.160	0.5154	-0.0534	0.6690	-0.0728	0.0065	0.0026	0.0250	-0.0218	0.1021	-0.0142
0.180	0.5126	-0.0599	0.6651	-0.0818	0.0052	0.0015	0.0193	-0.0093	0.1012	-0.0159
0.200	0.5098	-0.0657	0.6611	-0.0897	0.0035	0.0011	0.0178	0.0026	0.1004	-0.0174
0.209	0.5082	-0.0686	0.6590	-0.0935	0.0025	0.0011	0.0184	0.0084	0.0999	-0.0181
0.238	0.5033	-0.0769	0.6521	-0.1049	-0.0008	0.0022	0.0244	0.0235	0.0984	-0.0203
0.266	0.4978	-0.0849	0.6444	-0.1156	-0.0037	0.0051	0.0351	0.0333	0.0968	-0.0223
0.304	0.4897	-0.0948	0.6331	-0.1291	-0.0054	0.0107	0.0508	0.0363	0.0944	-0.0248
0.342	0.4809	-0.1040	0.6207	-0.1414	-0.0039	0.0164	0.0617	0.0299	0.0918	-0.0270
0.399	0.4661	-0.1161	0.6002	-0.1576	0.0026	0.0201	0.0609	0.0157	0.0875	-0.0299
0.475	0.4446	-0.1288	0.5702	-0.1743	0.0068	0.0145	0.0407	0.0167	0.0812	-0.0326
0.570	0.4156	-0.1389	0.5300	-0.1870	-0.0057	0.0124	0.0387	0.0458	0.0728	-0.0342
0.665	0.3858	-0.1425	0.4889	-0.1905	-0.0107	0.0291	0.0603	0.0494	0.0645	-0.0338
0.760	0.3570	-0.1398	0.4493	-0.1853	0.0010	0.0344	0.0547	0.0378	0.0566	-0.0315
0.855	0.3304	-0.1315	0.4131	-0.1723	-0.0026	0.0262	0.0422	0.0528	0.0497	-0.0276
0.950	0.3072	-0.1187	0.3819	-0.1531	-0.0158	0.0362	0.0542	0.0672	0.0440	-0.0225
1.140	0.2737	-0.0843	0.3381	-0.1029	-0.0032	0.0477	0.0484	0.0638	0.0370	-0.0102
1.900	0.2674	0.0211	0.3417	0.0423	-0.0158	0.0948	0.0510	0.1121	0.0475	0.0190

TABLE C61. M = 1.25, τ = 0.2

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.011	0.3395	-0.0006	0.3905	-0.0008	0	0.0007	0.0678	-0.0014	0.0170	-0.0002
0.025	0.3395	-0.0013	0.4413	-0.0018	0.0001	0.0017	0.0674	-0.0033	0.0679	-0.0004
0.050	0.3394	-0.0027	0.4412	-0.0036	0.0006	0.0033	0.0660	-0.0064	0.0679	-0.0007
0.054	0.3394	-0.0028	0.4412	-0.0039	0.0006	0.0035	0.0657	-0.0068	0.0679	-0.0008
0.058	0.3394	-0.0030	0.4412	-0.0042	0.0007	0.0037	0.0654	-0.0072	0.0679	-0.0008
0.061	0.3393	-0.0032	0.4411	-0.0044	0.0008	0.0040	0.0651	-0.0076	0.0679	-0.0009
0.065	0.3393	-0.0034	0.4411	-0.0047	0.0009	0.0042	0.0647	-0.0080	0.0678	-0.0009
0.072	0.3393	-0.0038	0.4410	-0.0052	0.0011	0.0046	0.0640	-0.0087	0.0678	-0.0010
0.079	0.3392	-0.0042	0.4410	-0.0057	0.0013	0.0050	0.0632	-0.0094	0.0678	-0.0011
0.086	0.3392	-0.0045	0.4409	-0.0062	0.0016	0.0053	0.0624	-0.0100	0.0678	-0.0012
0.094	0.3391	-0.0049	0.4407	-0.0067	0.0018	0.0057	0.0614	-0.0106	0.0678	-0.0013
0.101	0.3390	-0.0053	0.4407	-0.0073	0.0021	0.0060	0.0605	-0.0111	0.0678	-0.0014
0.108	0.3389	-0.0057	0.4405	-0.0078	0.0023	0.0063	0.0595	-0.0116	0.0677	-0.0015
0.119	0.3388	-0.0062	0.4404	-0.0085	0.0027	0.0067	0.0578	-0.0122	0.0677	-0.0017
0.126	0.3387	-0.0066	0.4403	-0.0090	0.0030	0.0069	0.0567	-0.0125	0.0677	-0.0018
0.133	0.3386	-0.0070	0.4401	-0.0095	0.0033	0.0072	0.0556	-0.0127	0.0676	-0.0019
0.140	0.3385	-0.0074	0.4400	-0.0100	0.0036	0.0074	0.0544	-0.0129	0.0676	-0.0020
0.148	0.3384	-0.0077	0.4399	-0.0106	0.0039	0.0075	0.0531	-0.0129	0.0676	-0.0021
0.158	0.3383	-0.0083	0.4396	-0.0113	0.0043	0.0077	0.0513	-0.0129	0.0675	-0.0022
0.169	0.3381	-0.0088	0.4394	-0.0121	0.0047	0.0079	0.0493	-0.0127	0.0675	-0.0023
0.176	0.3380	-0.0092	0.4392	-0.0126	0.0050	0.0079	0.0481	-0.0125	0.0674	-0.0024
0.191	0.3377	-0.0099	0.4388	-0.0136	0.0055	0.0080	0.0455	-0.0118	0.0674	-0.0026
0.198	0.3375	-0.0103	0.4386	-0.0140	0.0057	0.0080	0.0442	-0.0113	0.0673	-0.0027
0.223	0.3370	-0.0115	0.4379	-0.0158	0.0063	0.0078	0.0398	-0.0091	0.0671	-0.0031
0.241	0.3366	-0.0124	0.4373	-0.0170	0.0066	0.0075	0.0369	-0.0069	0.0670	-0.0033
0.266	0.3359	-0.0137	0.4364	-0.0186	0.0067	0.0070	0.0332	-0.0033	0.0668	-0.0036
0.281	0.3356	-0.0143	0.4358	-0.0196	0.0067	0.0067	0.0314	-0.0008	0.0667	-0.0038
0.299	0.3350	-0.0152	0.4351	-0.0207	0.0064	0.0063	0.0294	0.0025	0.0666	-0.0040
0.331	0.3340	-0.0167	0.4337	-0.0228	0.0054	0.0056	0.0269	0.0089	0.0663	-0.0044
0.353	0.3333	-0.0177	0.4327	-0.0241	0.0045	0.0053	0.0261	0.0135	0.0660	-0.0047
0.360	0.3331	-0.0180	0.4323	-0.0245	0.0041	0.0052	0.0259	0.0150	0.0660	-0.0047
0.396	0.3317	-0.0196	0.4305	-0.0267	0.0018	0.0052	0.0262	0.0226	0.0656	-0.0051
0.432	0.3303	-0.0211	0.4285	-0.0287	-0.0008	0.0059	0.0282	0.0297	0.0651	-0.0055
0.468	0.3287	-0.0225	0.4263	-0.0306	-0.0036	0.0075	0.0316	0.0357	0.0647	-0.0059
0.504	0.3271	-0.0239	0.4240	-0.0325	-0.0062	0.0099	0.0358	0.0404	0.0642	-0.0062
0.594	0.3225	-0.0269	0.4176	-0.0365	-0.0104	0.0189	0.0474	0.0453	0.0628	-0.0069
0.792	0.3105	-0.0316	0.4009	-0.0426	-0.0026	0.0356	0.0523	0.0380	0.0593	-0.0079
0.900	0.3031	-0.0328	0.3906	-0.0440	0.0024	0.0345	0.0434	0.0411	0.0571	-0.0080
1.800	0.2389	-0.0035	0.3023	-0.0007	-0.0135	0.0714	0.0420	0.0992	0.0396	0.0032
3.600	0.2197	0.1200	0.2830	0.1706	0.0205	0.1520	0.0276	0.1998	0.0413	0.0386

TABLE C62. M = 10/7, τ = 0.2

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	0.2496	0	0.3245	0	0	0.0005	0.0499	-0.0002	0.0499	0
0.015	0.2496	0	0.3245	0	0	0.0008	0.0499	-0.0003	0.0499	0
0.025	0.2496	0	0.3245	0.0001	0.0001	0.0013	0.0498	-0.0005	0.0499	0
0.041	0.2496	0.0001	0.3245	0.0001	0.0001	0.0020	0.0496	-0.0008	0.0499	0
0.051	0.2496	0.0001	0.3244	0.0001	0.0002	0.0025	0.0494	-0.0010	0.0499	0
0.056	0.2496	0.0001	0.3244	0.0002	0.0003	0.0028	0.0493	-0.0011	0.0499	0
0.061	0.2496	0.0001	0.3244	0.0002	0.0003	0.0030	0.0491	-0.0012	0.0499	0
0.066	0.2495	0.0001	0.3244	0.0002	0.0004	0.0032	0.0490	-0.0013	0.0499	0
0.071	0.2495	0.0001	0.3244	0.0002	0.0004	0.0035	0.0489	-0.0014	0.0499	0
0.076	0.2495	0.0002	0.3244	0.0002	0.0005	0.0037	0.0487	-0.0014	0.0499	0
0.082	0.2495	0.0002	0.3244	0.0002	0.0006	0.0039	0.0486	-0.0015	0.0499	0
0.087	0.2495	0.0002	0.3244	0.0002	0.0006	0.0042	0.0484	-0.0016	0.0499	0
0.092	0.2495	0.0002	0.3244	0.0002	0.0007	0.0044	0.0482	-0.0016	0.0499	0
0.102	0.2495	0.0002	0.3243	0.0003	0.0009	0.0048	0.0478	-0.0017	0.0499	0.0001
0.112	0.2495	0.0002	0.3243	0.0003	0.0011	0.0053	0.0474	-0.0018	0.0499	0.0001
0.122	0.2494	0.0002	0.3242	0.0003	0.0012	0.0057	0.0470	-0.0019	0.0499	0.0001
0.133	0.2494	0.0003	0.3242	0.0004	0.0014	0.0061	0.0465	-0.0019	0.0499	0.0001
0.143	0.2494	0.0003	0.3241	0.0004	0.0016	0.0064	0.0460	-0.0019	0.0498	0.0001
0.153	0.2493	0.0003	0.3241	0.0004	0.0019	0.0068	0.0454	-0.0018	0.0498	0.0001
0.158	0.2493	0.0003	0.3241	0.0004	0.0020	0.0070	0.0451	-0.0018	0.0498	0.0001
0.168	0.2493	0.0003	0.3240	0.0005	0.0022	0.0073	0.0445	-0.0017	0.0498	0.0001
0.179	0.2492	0.0004	0.3239	0.0005	0.0024	0.0076	0.0439	-0.0015	0.0498	0.0001
0.189	0.2492	0.0004	0.3239	0.0005	0.0026	0.0079	0.0433	-0.0014	0.0498	0.0001
0.199	0.2491	0.0004	0.3238	0.0006	0.0029	0.0082	0.0427	-0.0012	0.0498	0.0001
0.209	0.2491	0.0004	0.3237	0.0006	0.0031	0.0084	0.0420	-0.0009	0.0498	0.0001
0.224	0.2490	0.0005	0.3236	0.0007	0.0035	0.0088	0.0410	-0.0005	0.0497	0.0001
0.240	0.2489	0.0005	0.3235	0.0007	0.0038	0.0090	0.0400	0.0001	0.0497	0.0001
0.270	0.2487	0.0006	0.3232	0.0008	0.0044	0.0095	0.0379	0.0015	0.0497	0.0002
0.301	0.2485	0.0007	0.3229	0.0009	0.0049	0.0097	0.0359	0.0032	0.0496	0.0002
0.342	0.2482	0.0008	0.3225	0.0011	0.0053	0.0098	0.0333	0.0062	0.0495	0.0002
0.408	0.2476	0.0010	0.3216	0.0014	0.0053	0.0096	0.0299	0.0121	0.0493	0.0003
0.510	0.2464	0.0015	0.3200	0.0020	0.0031	0.0093	0.0275	0.0231	0.0490	0.0004
0.612	0.2451	0.0020	0.3181	0.0028	-0.0015	0.0105	0.0291	0.0343	0.0486	0.0006
0.791	0.2422	0.0033	0.3141	0.0046	-0.0107	0.0197	0.0385	0.0476	0.0477	0.0010
0.995	0.2382	0.0054	0.3085	0.0075	-0.0131	0.0377	0.0471	0.0503	0.0465	0.0016
1.275	0.2316	0.0095	0.2994	0.0133	-0.0016	0.0515	0.0403	0.0530	0.0446	0.0029
2.550	0.1984	0.0491	0.2536	0.0692	0.0066	0.0955	0.0274	0.1200	0.0354	0.0151
5.100	0.1858	0.1673	0.2399	0.2323	0.0029	0.1685	0.0371	0.2556	0.0356	0.0483

TABLE C63. M = 5/3, τ = 0.2

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.013	0.1910	0.0002	0.2483	0.0003	0	0.0005	0.0382	0.0002	0.0382	0.0001
0.019	0.1910	0.0003	0.2483	0.0004	0	0.0007	0.0382	0.0002	0.0382	0.0001
0.026	0.1910	0.0004	0.2483	0.0006	0	0.0010	0.0382	0.0003	0.0382	0.0001
0.051	0.1910	0.0009	0.2483	0.0012	0.0001	0.0019	0.0380	0.0006	0.0382	0.0002
0.058	0.1910	0.0010	0.2483	0.0013	0.0001	0.0022	0.0380	0.0007	0.0382	0.0003
0.064	0.1910	0.0011	0.2483	0.0015	0.0002	0.0024	0.0379	0.0008	0.0382	0.0003
0.070	0.1910	0.0012	0.2482	0.0016	0.0002	0.0027	0.0378	0.0009	0.0382	0.0003
0.077	0.1910	0.0013	0.2482	0.0018	0.0002	0.0029	0.0378	0.0010	0.0382	0.0003
0.083	0.1910	0.0014	0.2483	0.0019	0.0003	0.0031	0.0377	0.0011	0.0382	0.0004
0.090	0.1909	0.0015	0.2482	0.0020	0.0003	0.0034	0.0376	0.0012	0.0382	0.0004
0.096	0.1909	0.0016	0.2482	0.0022	0.0004	0.0036	0.0376	0.0013	0.0382	0.0004
0.102	0.1909	0.0017	0.2482	0.0023	0.0004	0.0038	0.0375	0.0014	0.0382	0.0005
0.109	0.1909	0.0018	0.2482	0.0025	0.0005	0.0040	0.0374	0.0015	0.0382	0.0005
0.115	0.1909	0.0019	0.2482	0.0026	0.0005	0.0043	0.0373	0.0016	0.0382	0.0005
0.122	0.1909	0.0020	0.2482	0.0028	0.0006	0.0045	0.0372	0.0017	0.0382	0.0005
0.128	0.1909	0.0021	0.2482	0.0029	0.0006	0.0047	0.0371	0.0018	0.0382	0.0006
0.134	0.1909	0.0022	0.2482	0.0031	0.0007	0.0049	0.0370	0.0019	0.0382	0.0006
0.141	0.1909	0.0024	0.2482	0.0032	0.0007	0.0051	0.0369	0.0020	0.0382	0.0006
0.154	0.1909	0.0026	0.2482	0.0035	0.0009	0.0056	0.0366	0.0023	0.0382	0.0007
0.160	0.1909	0.0027	0.2481	0.0037	0.0009	0.0058	0.0365	0.0024	0.0382	0.0007
0.173	0.1909	0.0029	0.2481	0.0040	0.0011	0.0062	0.0362	0.0027	0.0382	0.0008
0.186	0.1909	0.0031	0.2481	0.0042	0.0012	0.0066	0.0359	0.0029	0.0382	0.0008
0.198	0.1908	0.0033	0.2481	0.0045	0.0014	0.0069	0.0356	0.0033	0.0382	0.0009
0.218	0.1908	0.0036	0.2480	0.0050	0.0016	0.0075	0.0352	0.0037	0.0381	0.0010
0.243	0.1908	0.0041	0.2480	0.0056	0.0020	0.0081	0.0345	0.0045	0.0381	0.0011
0.269	0.1907	0.0045	0.2479	0.0062	0.0023	0.0087	0.0338	0.0053	0.0381	0.0012
0.301	0.1906	0.0050	0.2478	0.0069	0.0027	0.0094	0.0329	0.0064	0.0381	0.0013
0.352	0.1905	0.0059	0.2476	0.0081	0.0033	0.0103	0.0314	0.0086	0.0381	0.0016
0.416	0.1903	0.0070	0.2474	0.0096	0.0038	0.0111	0.0296	0.0117	0.0380	0.0019
0.512	0.1900	0.0087	0.2469	0.0119	0.0038	0.0117	0.0274	0.0174	0.0379	0.0023
0.608	0.1896	0.0104	0.2463	0.0142	0.0027	0.0123	0.0263	0.0240	0.0378	0.0028
0.800	0.1886	0.0138	0.2449	0.0189	-0.0027	0.0151	0.0278	0.0372	0.0375	0.0037
0.992	0.1873	0.0174	0.2432	0.0238	-0.0098	0.0229	0.0332	0.0472	0.0371	0.0047
1.600	0.1821	0.0300	0.2359	0.0412	-0.0036	0.0605	0.0348	0.0581	0.0356	0.0082
3.200	0.1648	0.0746	0.2121	0.1029	0.0194	0.1030	0.0196	0.1306	0.0307	0.0209
6.400	0.1557	0.1867	0.2013	0.2572	-0.0206	0.1980	0.0407	0.2651	0.0300	0.0518

TABLE C64. M = 2, τ = 0.2

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.1470	0.0001	0.1911	0.0002	0	0.0002	0.0294	0.0002	0.0294	0
0.015	0.1470	0.0003	0.1911	0.0004	0	0.0004	0.0294	0.0003	0.0294	0.0001
0.023	0.1470	0.0004	0.1911	0.0006	0	0.0007	0.0294	0.0005	0.0294	0.0001
0.037	0.1470	0.0007	0.1911	0.0010	0	0.0011	0.0294	0.0008	0.0294	0.0002
0.052	0.1470	0.0010	0.1911	0.0014	0.0001	0.0015	0.0293	0.0012	0.0294	0.0003
0.060	0.1470	0.0012	0.1911	0.0016	0.0001	0.0018	0.0293	0.0013	0.0294	0.0003
0.067	0.1470	0.0013	0.1911	0.0018	0.0001	0.0020	0.0293	0.0015	0.0294	0.0004
0.075	0.1470	0.0015	0.1911	0.0020	0.0001	0.0022	0.0293	0.0017	0.0294	0.0004
0.083	0.1470	0.0016	0.1911	0.0022	0.0001	0.0024	0.0292	0.0018	0.0294	0.0004
0.090	0.1470	0.0018	0.1911	0.0024	0.0001	0.0026	0.0292	0.0020	0.0294	0.0005
0.098	0.1470	0.0019	0.1911	0.0026	0.0002	0.0028	0.0292	0.0022	0.0294	0.0005
0.105	0.1470	0.0021	0.1911	0.0028	0.0002	0.0030	0.0291	0.0023	0.0294	0.0005
0.112	0.1470	0.0022	0.1911	0.0030	0.0002	0.0033	0.0291	0.0025	0.0294	0.0006
0.128	0.1470	0.0025	0.1911	0.0034	0.0003	0.0037	0.0290	0.0029	0.0294	0.0007
0.135	0.1470	0.0026	0.1911	0.0036	0.0003	0.0039	0.0289	0.0030	0.0294	0.0007
0.143	0.1470	0.0028	0.1911	0.0038	0.0004	0.0041	0.0289	0.0032	0.0294	0.0007
0.150	0.1470	0.0029	0.1911	0.0040	0.0004	0.0043	0.0288	0.0034	0.0294	0.0008
0.158	0.1470	0.0031	0.1911	0.0042	0.0004	0.0045	0.0288	0.0036	0.0294	0.0008
0.173	0.1470	0.0034	0.1911	0.0046	0.0005	0.0049	0.0287	0.0040	0.0294	0.0009
0.188	0.1470	0.0037	0.1911	0.0050	0.0006	0.0053	0.0285	0.0043	0.0294	0.0010
0.202	0.1470	0.0040	0.1911	0.0054	0.0007	0.0057	0.0284	0.0047	0.0294	0.0011
0.218	0.1470	0.0043	0.1910	0.0058	0.0008	0.0061	0.0282	0.0051	0.0294	0.0011
0.240	0.1469	0.0047	0.1910	0.0064	0.0009	0.0066	0.0280	0.0057	0.0294	0.0013
0.263	0.1469	0.0052	0.1910	0.0070	0.0011	0.0071	0.0278	0.0064	0.0294	0.0014
0.278	0.1469	0.0054	0.1910	0.0074	0.0012	0.0075	0.0276	0.0068	0.0294	0.0015
0.300	0.1469	0.0059	0.1910	0.0080	0.0013	0.0080	0.0273	0.0075	0.0294	0.0016
0.337	0.1469	0.0066	0.1909	0.0091	0.0016	0.0088	0.0269	0.0087	0.0294	0.0018
0.413	0.1468	0.0081	0.1908	0.0111	0.0021	0.0101	0.0259	0.0112	0.0293	0.0022
0.487	0.1467	0.0096	0.1907	0.0131	0.0024	0.0113	0.0250	0.0141	0.0293	0.0026
0.600	0.1465	0.0118	0.1905	0.0161	0.0024	0.0126	0.0239	0.0190	0.0293	0.0032
0.788	0.1462	0.0156	0.1900	0.0213	0.0007	0.0148	0.0233	0.0278	0.0292	0.0042
1.013	0.1457	0.0201	0.1893	0.0275	-0.0038	0.0192	0.0252	0.0381	0.0290	0.0054
1.875	0.1428	0.0382	0.1853	0.0523	-0.0037	0.0604	0.0285	0.0581	0.0282	0.0103
3.750	0.1342	0.0830	0.1734	0.1139	0.0135	0.0974	0.0197	0.1299	0.0257	0.0226
7.500	0.1279	0.1856	0.1655	0.2549	0.0095	0.1980	0.0197	0.2577	0.0248	0.0506

TABLE C65. M = 5/2, τ = 0.2

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.1111	0.0002	0.1445	0.0002	0	0.0002	0.0222	0.0002	0.0222	0
0.017	0.1111	0.0003	0.1445	0.0004	0	0.0004	0.0222	0.0004	0.0222	0.0001
0.025	0.1111	0.0005	0.1445	0.0006	0	0.0006	0.0222	0.0006	0.0222	0.0001
0.050	0.1111	0.0009	0.1445	0.0012	0	0.0011	0.0222	0.0011	0.0222	0.0002
0.059	0.1111	0.0011	0.1445	0.0014	0	0.0013	0.0222	0.0013	0.0222	0.0003
0.067	0.1111	0.0012	0.1445	0.0017	0	0.0015	0.0222	0.0015	0.0222	0.0003
0.076	0.1111	0.0014	0.1445	0.0019	0	0.0017	0.0222	0.0017	0.0222	0.0004
0.084	0.1111	0.0015	0.1445	0.0021	0.0001	0.0019	0.0222	0.0019	0.0222	0.0004
0.092	0.1111	0.0017	0.1445	0.0023	0.0001	0.0020	0.0221	0.0021	0.0222	0.0004
0.101	0.1111	0.0018	0.1445	0.0025	0.0001	0.0022	0.0221	0.0023	0.0222	0.0005
0.109	0.1111	0.0020	0.1445	0.0027	0.0001	0.0024	0.0221	0.0025	0.0222	0.0005
0.118	0.1111	0.0021	0.1445	0.0029	0.0001	0.0026	0.0221	0.0027	0.0222	0.0006
0.126	0.1111	0.0023	0.1445	0.0031	0.0001	0.0028	0.0221	0.0029	0.0222	0.0006
0.134	0.1111	0.0024	0.1445	0.0033	0.0001	0.0030	0.0221	0.0030	0.0222	0.0006
0.143	0.1111	0.0026	0.1445	0.0035	0.0002	0.0031	0.0220	0.0032	0.0222	0.0007
0.151	0.1111	0.0027	0.1445	0.0037	0.0002	0.0033	0.0220	0.0034	0.0222	0.0007
0.160	0.1111	0.0029	0.1445	0.0039	0.0002	0.0035	0.0220	0.0036	0.0222	0.0008
0.176	0.1111	0.0032	0.1445	0.0043	0.0002	0.0039	0.0219	0.0040	0.0222	0.0008
0.193	0.1111	0.0035	0.1445	0.0048	0.0003	0.0042	0.0219	0.0044	0.0222	0.0009
0.202	0.1111	0.0036	0.1445	0.0050	0.0003	0.0044	0.0218	0.0046	0.0222	0.0010
0.218	0.1111	0.0039	0.1444	0.0054	0.0003	0.0047	0.0218	0.0050	0.0222	0.0010
0.244	0.1111	0.0044	0.1444	0.0060	0.0004	0.0052	0.0217	0.0056	0.0222	0.0012
0.260	0.1111	0.0047	0.1444	0.0064	0.0005	0.0056	0.0216	0.0061	0.0222	0.0012
0.286	0.1111	0.0051	0.1444	0.0070	0.0006	0.0061	0.0215	0.0067	0.0222	0.0014
0.302	0.1111	0.0054	0.1444	0.0074	0.0006	0.0064	0.0214	0.0071	0.0222	0.0015
0.328	0.1111	0.0059	0.1444	0.0081	0.0007	0.0069	0.0213	0.0078	0.0222	0.0016
0.361	0.1111	0.0065	0.1444	0.0089	0.0008	0.0075	0.0211	0.0086	0.0222	0.0017
0.403	0.1111	0.0073	0.1444	0.0099	0.0009	0.0082	0.0209	0.0098	0.0222	0.0019
0.437	0.1111	0.0079	0.1444	0.0107	0.0011	0.0088	0.0207	0.0107	0.0222	0.0021
0.504	0.1110	0.0091	0.1443	0.0124	0.0012	0.0098	0.0204	0.0126	0.0222	0.0024
0.588	0.1110	0.0106	0.1443	0.0145	0.0013	0.0110	0.0200	0.0152	0.0222	0.0028
0.798	0.1109	0.0144	0.1441	0.0197	0.0009	0.0138	0.0194	0.0220	0.0221	0.0038
1.008	0.1107	0.0182	0.1439	0.0249	-0.0008	0.0168	0.0197	0.0290	0.0221	0.0049
2.016	0.1095	0.0368	0.1421	0.0503	-0.0044	0.0499	0.0230	0.0520	0.0217	0.0098
2.100	0.1093	0.0384	0.1420	0.0525	-0.0027	0.0526	0.0222	0.0536	0.0217	0.0103
4.200	0.1054	0.0795	0.1365	0.1088	-0.0003	0.0844	0.0217	0.1179	0.0206	0.0214
8.400	0.1016	0.1682	0.1316	0.2304	0.0081	0.1678	0.0167	0.2357	0.0199	0.0454

TABLE C66. M = 1, τ = 0.3

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	2.8016	-2.7627	3.0849	-3.0358	0.0024	0.0025	0.2554	-0.2276	0.5634	-0.5494
0.015	2.2954	-2.2478	2.5288	-2.4687	0.0028	0.0031	0.2142	-0.1801	0.4629	-0.4457
0.020	1.9948	-1.9397	2.1987	-2.1292	0.0032	0.0036	0.1904	-0.1510	0.4034	-0.3835
0.025	1.7903	-1.7288	1.9743	-1.8967	0.0036	0.0041	0.1747	-0.1306	0.3630	-0.3408
0.030	1.6399	-1.5725	1.8093	-1.7243	0.0038	0.0045	0.1635	-0.1151	0.3334	-0.3091
0.035	1.5234	-1.4506	1.6816	-1.5898	0.0041	0.0049	0.1550	-0.1028	0.3105	-0.2843
0.040	1.4298	-1.3521	1.5791	-1.4810	0.0043	0.0054	0.1485	-0.0926	0.2922	-0.2641
0.045	1.3527	-1.2700	1.4945	-1.3904	0.0045	0.0058	0.1432	-0.0840	0.2771	-0.2474
0.050	1.2876	-1.2005	1.4233	-1.3136	0.0047	0.0061	0.1389	-0.0765	0.2645	-0.2331
0.060	1.1833	-1.0879	1.3092	-1.1890	0.0050	0.0069	0.1324	-0.0640	0.2442	-0.2099
0.070	1.1028	-0.9997	1.2212	-1.0914	0.0052	0.0076	0.1277	-0.0538	0.2287	-0.1916
0.080	1.0384	-0.9282	1.1510	-1.0121	0.0054	0.0083	0.1242	-0.0452	0.2164	-0.1768
0.090	0.9854	-0.8685	1.0932	-0.9459	0.0055	0.0090	0.1216	-0.0378	0.2063	-0.1643
0.100	0.9409	-0.8177	1.0447	-0.8895	0.0056	0.0097	0.1196	-0.0313	0.1979	-0.1536
0.120	0.9699	-0.7350	0.9676	-0.7976	0.0057	0.0111	0.1169	-0.0201	0.1846	-0.1361
0.140	0.8156	-0.6699	0.9086	-0.7250	0.0058	0.0126	0.1152	-0.0108	0.1746	-0.1221
0.160	0.7724	-0.6166	0.8619	-0.6656	0.0057	0.0140	0.1143	-0.0027	0.1667	-0.1106
0.180	0.7372	-0.5719	0.8239	-0.6156	0.0055	0.0154	0.1139	0.0045	0.1604	-0.1009
0.200	0.7078	-0.5336	0.7922	-0.5727	0.0053	0.0169	0.1138	0.0111	0.1552	-0.0925
0.240	0.6615	-0.4706	0.7425	-0.5020	0.0047	0.0199	0.1142	0.0225	0.1471	-0.0784
0.280	0.6265	-0.4204	0.7051	-0.4454	0.0039	0.0230	0.1151	0.0326	0.1413	-0.0670
0.320	0.5991	-0.3788	0.6760	-0.3983	0.0029	0.0263	0.1163	0.0416	0.1368	-0.0575
0.360	0.5772	-0.3434	0.6528	-0.3582	0.0018	0.0297	0.1176	0.0499	0.1334	-0.0492
0.400	0.5591	-0.3127	0.6338	-0.3233	0.0006	0.0332	0.1190	0.0575	0.1306	-0.0419
0.600	0.5028	-0.2008	0.5755	-0.1951	-0.0064	0.0527	0.1254	0.0907	0.1230	-0.0143
0.800	0.4742	-0.1253	0.5469	-0.1073	-0.0140	0.0753	0.1303	0.1191	0.1202	0.0055
1.000	0.4576	-0.0672	0.5310	-0.0390	-0.0214	0.1006	0.1333	0.1454	0.1192	0.0215
1.500	0.4379	0.0417	0.5136	0.0910	-0.0342	0.1730	0.1339	0.2082	0.1195	0.0535
2.000	0.4301	0.1259	0.5077	0.1935	-0.0347	0.2519	0.1264	0.2725	0.1206	0.0801
2.500	0.4262	0.1987	0.5051	0.2832	-0.0218	0.3289	0.1139	0.3418	0.1215	0.1044
3.000	0.4236	0.2653	0.5033	0.3663	0.0012	0.3968	0.0997	0.4179	0.1220	0.1275
3.500	0.4212	0.3283	0.5011	0.4455	0.0281	0.4515	0.0872	0.5006	0.1220	0.1500

TABLE C67. M = 10/9, τ = 0.3

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	0.7886	-0.0073	0.9463	-0.0095	0.0002	0.0022	0.2355	-0.0143	0.2366	-0.0029
0.015	0.7883	-0.0117	0.9460	-0.0153	0.0004	0.0036	0.2338	-0.0227	0.2365	-0.0047
0.025	0.7878	-0.0190	0.9453	-0.0248	0.0011	0.0057	0.2292	-0.0363	0.2362	-0.0076
0.034	0.7870	-0.0263	0.9442	-0.0342	0.0020	0.0076	0.2226	-0.0490	0.2359	-0.0105
0.049	0.7853	-0.0379	0.9418	-0.0493	0.0040	0.0102	0.2083	-0.0669	0.2351	-0.0152
0.053	0.7847	-0.0408	0.9411	-0.0530	0.0046	0.0107	0.2040	-0.0708	0.2348	-0.0163
0.057	0.7842	-0.0437	0.9403	-0.0568	0.0052	0.0112	0.1996	-0.0744	0.2346	-0.0174
0.066	0.7825	-0.0508	0.9381	-0.0660	0.0068	0.0123	0.1875	-0.0823	0.2338	-0.0203
0.076	0.7807	-0.0579	0.9357	-0.0752	0.0084	0.0129	0.1744	-0.0883	0.2330	-0.0231
0.080	0.7799	-0.0607	0.9346	-0.0789	0.0091	0.0131	0.1689	-0.0901	0.2327	-0.0242
0.085	0.7786	-0.0649	0.9328	-0.0843	0.0100	0.0133	0.1605	-0.0922	0.2321	-0.0259
0.095	0.7763	-0.0718	0.9297	-0.0933	0.0116	0.0133	0.1463	-0.0941	0.2310	-0.0286
0.104	0.7737	-0.0787	0.9262	-0.1021	0.0130	0.0129	0.1319	-0.0939	0.2299	-0.0313
0.123	0.7679	-0.0921	0.9184	-0.1194	0.0151	0.0114	0.1040	-0.0874	0.2273	-0.0366
0.133	0.7647	-0.0986	0.9140	-0.1278	0.0157	0.0104	0.0912	-0.0812	0.2258	-0.0391
0.142	0.7612	-0.1050	0.9093	-0.1361	0.0159	0.0092	0.0795	-0.0734	0.2243	-0.0416
0.160	0.7544	-0.1162	0.9002	-0.1505	0.0155	0.0069	0.0617	-0.0557	0.2213	-0.0459
0.180	0.7453	-0.1292	0.8880	-0.1672	0.0132	0.0044	0.0472	-0.0297	0.2172	-0.0509
0.200	0.7362	-0.1404	0.8757	-0.1815	0.0098	0.0030	0.0416	-0.0042	0.2131	-0.0551
0.209	0.7314	-0.1458	0.8693	-0.1883	0.0077	0.0028	0.0415	0.0084	0.2110	-0.0571
0.238	0.7160	-0.1608	0.8486	-0.2073	0.0006	0.0044	0.0510	0.0426	0.2042	-0.0626
0.266	0.6992	-0.1741	0.8261	-0.2239	-0.0061	0.0096	0.0713	0.0670	0.1968	-0.0672
0.304	0.6752	-0.1890	0.7940	-0.2422	-0.0114	0.0209	0.1045	0.0794	0.1863	-0.0721
0.342	0.6497	-0.2005	0.7600	-0.2558	-0.0101	0.0336	0.1308	0.0710	0.1752	-0.0753
0.399	0.6100	-0.2110	0.7071	-0.2671	0.0019	0.0449	0.1381	0.0424	0.1582	-0.0772
0.475	0.5568	-0.2128	0.6371	-0.2655	0.0140	0.0377	0.1018	0.0346	0.1360	-0.0740
0.570	0.4956	-0.1973	0.5578	-0.2397	-0.0056	0.0291	0.0855	0.0882	0.1117	-0.0622
0.665	0.4457	-0.1664	0.4949	-0.1938	-0.0224	0.0573	0.1241	0.1095	0.0937	-0.0440
0.760	0.4105	-0.1265	0.4528	-0.1367	-0.0058	0.0763	0.1265	0.0909	0.0833	-0.0229
0.855	0.3905	-0.0840	0.4318	-0.0775	-0.0049	0.0673	0.1040	0.1086	0.0804	-0.0019
0.950	0.3835	-0.0447	0.4286	-0.0241	-0.0258	0.0790	0.1158	0.1374	0.0834	0.0161
1.140	0.3923	0.0117	0.4512	0.0486	-0.0152	0.1091	0.1156	0.1419	0.0981	0.0380
1.900	0.3722	0.1103	0.4337	0.1649	-0.0359	0.2111	0.1157	0.2394	0.0988	0.0656

TABLE C68. M = 1.25, τ = 0.3

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.011	0.5093	-0.0013	0.5262	-0.0017	0.0001	0.0016	0.1526	-0.0031	0.0679	-0.0005
0.025	0.5092	-0.0030	0.6110	-0.0039	0.0003	0.0038	0.1517	-0.0072	0.1527	-0.0012
0.050	0.5089	-0.0060	0.6106	-0.0078	0.0012	0.0075	0.1487	-0.0140	0.1526	-0.0024
0.054	0.5088	-0.0064	0.6104	-0.0083	0.0014	0.0080	0.1481	-0.0150	0.1526	-0.0026
0.058	0.5087	-0.0068	0.6104	-0.0089	0.0016	0.0085	0.1474	-0.0158	0.1525	-0.0027
0.061	0.5086	-0.0072	0.6103	-0.0094	0.0018	0.0089	0.1468	-0.0167	0.1525	-0.0029
0.065	0.5086	-0.0077	0.6102	-0.0100	0.0020	0.0094	0.1460	-0.0176	0.1525	-0.0031
0.072	0.5084	-0.0085	0.6099	-0.0111	0.0024	0.0103	0.1445	-0.0192	0.1524	-0.0034
0.079	0.5082	-0.0094	0.6097	-0.0122	0.0029	0.0112	0.1429	-0.0208	0.1523	-0.0037
0.086	0.5080	-0.0102	0.6094	-0.0132	0.0034	0.0121	0.1410	-0.0222	0.1522	-0.0041
0.094	0.5078	-0.0110	0.6091	-0.0143	0.0039	0.0129	0.1391	-0.0235	0.1521	-0.0044
0.101	0.5076	-0.0053	0.6088	-0.0095	0.0045	0.0136	0.1371	-0.0247	0.1520	-0.0047
0.108	0.5073	-0.0127	0.6085	-0.0165	0.0062	0.0143	0.1343	-0.0258	0.1519	-0.0051
0.119	0.5069	-0.0139	0.6079	-0.0181	0.0060	0.0153	0.1315	-0.0272	0.1517	-0.0056
0.126	0.5066	-0.0148	0.6075	-0.0192	0.0066	0.0159	0.1291	-0.0279	0.1516	-0.0059
0.133	0.5063	-0.0156	0.6071	-0.0202	0.0072	0.0164	0.1266	-0.0285	0.1514	-0.0062
0.140	0.5059	-0.0164	0.6065	-0.0213	0.0079	0.0169	0.1240	-0.0289	0.1513	-0.0065
0.148	0.5056	-0.0172	0.6061	-0.0223	0.0085	0.0173	0.1214	-0.0292	0.1511	-0.0068
0.158	0.5050	-0.0184	0.6054	-0.0239	0.0095	0.0178	0.1174	-0.0293	0.1509	-0.0073
0.169	0.5044	-0.0196	0.6046	-0.0254	0.0104	0.0182	0.1132	-0.0291	0.1506	-0.0078
0.176	0.5040	-0.0204	0.6040	-0.0264	0.0110	0.0184	0.1104	-0.0287	0.1504	-0.0081
0.191	0.5031	-0.0219	0.6028	-0.0284	0.0122	0.0186	0.1049	-0.0275	0.1500	-0.0087
0.198	0.5027	-0.0227	0.6022	-0.0294	0.0127	0.0186	0.1021	-0.0266	0.1498	-0.0090
0.223	0.5009	-0.0253	0.5998	-0.0328	0.0143	0.0184	0.0925	-0.0223	0.1490	-0.0100
0.241	0.4995	-0.0271	0.5979	-0.0351	0.0151	0.0179	0.0860	-0.0181	0.1484	-0.0107
0.266	0.4974	-0.0296	0.5951	-0.0383	0.0156	0.0169	0.0777	-0.0107	0.1474	-0.0117
0.281	0.4961	-0.0309	0.5933	-0.0400	0.0156	0.0162	0.0735	-0.0057	0.1469	-0.0122
0.299	0.4944	-0.0326	0.5911	-0.0421	0.0152	0.0153	0.0688	0.0010	0.1461	-0.0128
0.331	0.4911	-0.0354	0.5867	-0.0457	0.0135	0.0138	0.0626	0.0146	0.1447	-0.0138
0.353	0.4888	-0.0372	0.5835	-0.0479	0.0117	0.0129	0.0600	0.0242	0.1436	-0.0145
0.360	0.4880	-0.0377	0.5824	-0.0486	0.0109	0.0127	0.0594	0.0275	0.1432	-0.0147
0.396	0.4837	-0.0404	0.5767	-0.0520	0.0065	0.0123	0.0589	0.0439	0.1414	-0.0156
0.432	0.4792	-0.0427	0.5706	-0.0549	0.0009	0.0133	0.0619	0.0596	0.1394	-0.0164
0.468	0.4744	-0.0447	0.5641	-0.0573	-0.0051	0.0160	0.0679	0.0734	0.1372	-0.0170
0.504	0.4693	-0.0464	0.5573	-0.0593	-0.0111	0.0205	0.0763	0.0846	0.1350	-0.0175
0.594	0.4556	-0.0491	0.5390	-0.0621	-0.0219	0.0386	0.1008	0.0991	0.1290	-0.0180
0.792	0.4225	-0.0463	0.4950	-0.0567	-0.0105	0.0788	0.1194	0.0868	0.1147	-0.0150
0.900	0.4041	-0.0398	0.4707	-0.0469	0.0016	0.0814	0.1036	0.0891	0.1070	-0.0110
1.800	0.3181	0.0987	0.3661	0.1444	-0.0235	0.1661	0.0950	0.2056	0.0798	0.0556
3.600	0.3226	0.2861	0.3822	0.3807	0.0412	0.3479	0.0640	0.4240	0.0919	0.1232

TABLE C69. M = 10/7, τ = 0.3

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	0.3744	0	0.4493	0.0001	0	0.0011	0.1123	-0.0005	0.1123	0
0.015	0.3744	0.0001	0.4493	0.0001	0	0.0017	0.1122	-0.0007	0.1123	0
0.025	0.3744	0.0001	0.4492	0.0001	0.0001	0.0029	0.1120	-0.0012	0.1123	0
0.041	0.3743	0.0002	0.4492	0.0002	0.0003	0.0045	0.1116	-0.0019	0.1123	0.0001
0.051	0.3743	0.0002	0.4491	0.0003	0.0005	0.0057	0.1112	-0.0023	0.1123	0.0001
0.056	0.3743	0.0003	0.4491	0.0003	0.0006	0.0062	0.1110	-0.0026	0.1123	0.0001
0.061	0.3742	0.0003	0.4491	0.0004	0.0007	0.0068	0.1107	-0.0028	0.1123	0.0001
0.066	0.3742	0.0003	0.4490	0.0004	0.0008	0.0073	0.1104	-0.0029	0.1122	0.0001
0.071	0.3742	0.0003	0.4490	0.0004	0.0010	0.0078	0.1101	-0.0031	0.1122	0.0001
0.076	0.3742	0.0003	0.4489	0.0004	0.0011	0.0084	0.1098	-0.0033	0.1122	0.0001
0.082	0.3741	0.0004	0.4489	0.0005	0.0013	0.0089	0.1095	-0.0035	0.1122	0.0001
0.087	0.3741	0.0004	0.4489	0.0005	0.0014	0.0094	0.1091	-0.0036	0.1122	0.0002
0.092	0.3741	0.0004	0.4488	0.0005	0.0016	0.0099	0.1087	-0.0038	0.1122	0.0002
0.102	0.3740	0.0005	0.4487	0.0006	0.0019	0.0109	0.1079	-0.0040	0.1121	0.0002
0.112	0.3739	0.0005	0.4486	0.0007	0.0023	0.0119	0.1070	-0.0042	0.1121	0.0002
0.122	0.3738	0.0006	0.4484	0.0007	0.0027	0.0128	0.1060	-0.0044	0.1120	0.0002
0.133	0.3737	0.0006	0.4483	0.0008	0.0031	0.0137	0.1050	-0.0044	0.1120	0.0003
0.143	0.3736	0.0007	0.4481	0.0009	0.0036	0.0146	0.1039	-0.0045	0.1119	0.0003
0.153	0.3734	0.0007	0.4480	0.0010	0.0041	0.0154	0.1027	-0.0044	0.1119	0.0003
0.158	0.3734	0.0008	0.4479	0.0010	0.0043	0.0158	0.1021	-0.0044	0.1119	0.0003
0.168	0.3732	0.0008	0.4477	0.0011	0.0048	0.0166	0.1009	-0.0042	0.1118	0.0003
0.179	0.3731	0.0009	0.4475	0.0012	0.0053	0.0173	0.0996	-0.0040	0.1117	0.0004
0.189	0.3729	0.0010	0.4473	0.0013	0.0058	0.0180	0.0983	-0.0036	0.1117	0.0004
0.199	0.3728	0.0010	0.4471	0.0013	0.0063	0.0186	0.0969	-0.0032	0.1116	0.0004
0.209	0.3726	0.0011	0.4468	0.0014	0.0068	0.0192	0.0955	-0.0028	0.1115	0.0004
0.224	0.3723	0.0012	0.4465	0.0016	0.0076	0.0200	0.0933	-0.0019	0.1114	0.0005
0.240	0.3720	0.0013	0.4461	0.0017	0.0084	0.0207	0.0911	-0.0008	0.1112	0.0005
0.270	0.3714	0.0016	0.4452	0.0020	0.0098	0.0218	0.0866	0.0019	0.1110	0.0006
0.301	0.3707	0.0018	0.4442	0.0024	0.0110	0.0225	0.0821	0.0055	0.1106	0.0008
0.342	0.3696	0.0022	0.4428	0.0030	0.0122	0.0229	0.0765	0.0115	0.1102	0.0009
0.408	0.3676	0.0030	0.4401	0.0040	0.0125	0.0227	0.0687	0.0238	0.1093	0.0013
0.510	0.3639	0.0046	0.4352	0.0062	0.0085	0.0218	0.0624	0.0471	0.1076	0.0020
0.612	0.3596	0.0067	0.4294	0.0091	-0.0008	0.0238	0.0644	0.0713	0.1057	0.0030
0.791	0.3507	0.0120	0.4174	0.0162	-0.0215	0.0415	0.0831	0.1026	0.1018	0.0054
0.995	0.3390	0.0206	0.4018	0.0281	-0.0306	0.0799	0.1039	0.1117	0.0967	0.0095
1.275	0.3218	0.0376	0.3789	0.0512	-0.0090	0.1168	0.0949	0.1150	0.0893	0.0174
2.550	0.2735	0.1664	0.3193	0.2247	0.0113	0.2258	0.0667	0.2503	0.0732	0.0749
5.100	0.2772	0.3811	0.3301	0.4996	0.0155	0.3797	0.0780	0.5483	0.0806	0.1566

TABLE C70. M = 5/3, τ = 0.3

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.013	0.2865	0.0005	0.3438	0.0006	0	0.0011	0.0859	0.0003	0.0859	0.0002
0.019	0.2865	0.0007	0.3438	0.0009	0	0.0016	0.0859	0.0005	0.0859	0.0003
0.026	0.2865	0.0010	0.3438	0.0013	0.0001	0.0022	0.0858	0.0006	0.0859	0.0004
0.051	0.2865	0.0019	0.3437	0.0025	0.0002	0.0044	0.0856	0.0013	0.0859	0.0008
0.058	0.2864	0.0022	0.3437	0.0028	0.0003	0.0049	0.0855	0.0015	0.0859	0.0009
0.064	0.2864	0.0024	0.3437	0.0031	0.0004	0.0055	0.0853	0.0016	0.0859	0.0010
0.070	0.2864	0.0026	0.3437	0.0034	0.0004	0.0060	0.0852	0.0018	0.0859	0.0011
0.077	0.2864	0.0029	0.3437	0.0038	0.0005	0.0065	0.0851	0.0020	0.0859	0.0012
0.083	0.2864	0.0031	0.3437	0.0041	0.0006	0.0070	0.0849	0.0022	0.0859	0.0013
0.090	0.2864	0.0034	0.3436	0.0044	0.0007	0.0076	0.0848	0.0024	0.0859	0.0013
0.096	0.2863	0.0036	0.3436	0.0047	0.0008	0.0081	0.0846	0.0026	0.0859	0.0014
0.102	0.2863	0.0039	0.3436	0.0050	0.0009	0.0086	0.0844	0.0028	0.0859	0.0015
0.109	0.2863	0.0041	0.3436	0.0053	0.0010	0.0091	0.0842	0.0030	0.0859	0.0016
0.115	0.2863	0.0043	0.3435	0.0056	0.0011	0.0096	0.0840	0.0032	0.0859	0.0017
0.122	0.2863	0.0046	0.3435	0.0060	0.0012	0.0101	0.0838	0.0034	0.0859	0.0018
0.128	0.2863	0.0048	0.3435	0.0063	0.0014	0.0106	0.0836	0.0036	0.0858	0.0019
0.134	0.2862	0.0051	0.3435	0.0066	0.0015	0.0111	0.0833	0.0039	0.0858	0.0020
0.141	0.2862	0.0053	0.3434	0.0054	0.0016	0.0116	0.0831	0.0041	0.0858	0.0006
0.154	0.2862	0.0058	0.3434	0.0075	0.0019	0.0126	0.0826	0.0046	0.0858	0.0023
0.160	0.2861	0.0060	0.5389	0.0078	0.0021	0.0130	0.0823	0.0049	0.2814	0.0024
0.173	0.2861	0.0065	0.3433	0.0085	0.0024	0.0139	0.0817	0.0054	0.0858	0.0026
0.186	0.2860	0.0070	0.3432	0.0091	0.0027	0.0148	0.0811	0.0060	0.0857	0.0028
0.198	0.2860	0.0075	0.3431	0.0097	0.0030	0.0157	0.0805	0.0067	0.0857	0.0030
0.218	0.2859	0.0082	0.3429	0.0107	0.0036	0.0169	0.0795	0.0077	0.0857	0.0033
0.243	0.2857	0.0092	0.3428	0.0120	0.0043	0.0185	0.0780	0.0092	0.0856	0.0037
0.269	0.2856	0.0102	0.3425	0.0133	0.0050	0.0199	0.0765	0.0109	0.0855	0.0041
0.301	0.2853	0.0114	0.3422	0.0149	0.0059	0.0214	0.0745	0.0132	0.0854	0.0046
0.352	0.2849	0.0134	0.3416	0.0175	0.0073	0.0235	0.0713	0.0176	0.0852	0.0054
0.416	0.2843	0.0160	0.3408	0.0208	0.0085	0.0254	0.0674	0.0242	0.0850	0.0064
0.512	0.2832	0.0198	0.3393	0.0258	0.0089	0.0272	0.0624	0.0362	0.0845	0.0080
0.608	0.2818	0.0238	0.3375	0.0310	0.0070	0.0284	0.0595	0.0500	0.0839	0.0096
0.800	0.2786	0.0322	0.3332	0.0420	-0.0039	0.0339	0.0617	0.0787	0.0824	0.0130
0.992	0.2748	0.0413	0.3280	0.0539	-0.0196	0.0495	0.0725	0.1015	0.0807	0.0168
1.600	0.2601	0.0752	0.3085	0.0989	-0.0139	0.1349	0.0816	0.1259	0.0744	0.0312
3.200	0.2325	0.1968	0.2739	0.2601	0.0337	0.2410	0.0498	0.2755	0.0647	0.0830
6.400	0.2336	0.4234	0.2790	0.5527	-0.0415	0.4387	0.0901	0.5706	0.0687	0.1716

TABLE C71. M = 2, τ = 0.3

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.2205	0.0003	0.2647	0.0004	0	0.0005	0.0662	0.0003	0.0662	0.0001
0.015	0.2205	0.0007	0.2646	0.0009	0	0.0010	0.0661	0.0007	0.0662	0.0003
0.023	0.2205	0.0010	0.2646	0.0013	0	0.0015	0.0661	0.0010	0.0662	0.0004
0.037	0.2205	0.0017	0.2646	0.0022	0.0001	0.0025	0.0661	0.0017	0.0662	0.0007
0.052	0.2205	0.0023	0.2646	0.0030	0.0001	0.0035	0.0660	0.0024	0.0662	0.0009
0.060	0.2205	0.0026	0.2646	0.0034	0.0001	0.0040	0.0660	0.0028	0.0661	0.0011
0.067	0.2205	0.0030	0.2646	0.0039	0.0002	0.0044	0.0659	0.0031	0.0661	0.0012
0.075	0.2205	0.0033	0.2646	0.0043	0.0002	0.0049	0.0659	0.0035	0.0662	0.0013
0.083	0.2205	0.0036	0.2646	0.0047	0.0003	0.0054	0.0658	0.0039	0.0661	0.0015
0.090	0.2205	0.0040	0.2646	0.0052	0.0003	0.0059	0.0657	0.0042	0.0661	0.0016
0.098	0.2205	0.0043	0.2646	0.0056	0.0004	0.0064	0.0656	0.0046	0.0661	0.0017
0.105	0.2205	0.0046	0.2646	0.0060	0.0004	0.0069	0.0656	0.0049	0.0661	0.0019
0.112	0.2205	0.0050	0.2646	0.0065	0.0005	0.0073	0.0655	0.0053	0.0661	0.0020
0.128	0.2205	0.0056	0.2645	0.0073	0.0006	0.0083	0.0653	0.0061	0.0661	0.0023
0.135	0.2205	0.0060	0.2645	0.0077	0.0007	0.0088	0.0652	0.0064	0.0661	0.0024
0.143	0.2204	0.0063	0.2645	0.0082	0.0008	0.0092	0.0651	0.0068	0.0661	0.0025
0.150	0.2204	0.0066	0.2645	0.0086	0.0009	0.0097	0.0649	0.0072	0.0661	0.0026
0.158	0.2204	0.0070	0.2645	0.0090	0.0009	0.0101	0.0648	0.0076	0.0661	0.0028
0.173	0.2204	0.0076	0.2645	0.0099	0.0011	0.0111	0.0646	0.0084	0.0661	0.0030
0.188	0.2204	0.0083	0.2644	0.0108	0.0013	0.0119	0.0643	0.0092	0.0661	0.0033
0.202	0.2203	0.0089	0.2644	0.0116	0.0015	0.0128	0.0640	0.0100	0.0661	0.0036
0.218	0.2203	0.0096	0.2644	0.0125	0.0017	0.0137	0.0637	0.0108	0.0661	0.0038
0.240	0.2203	0.0106	0.2643	0.0138	0.0020	0.0149	0.0632	0.0121	0.0660	0.0042
0.263	0.2202	0.0116	0.2642	0.0151	0.0024	0.0162	0.0627	0.0134	0.0660	0.0046
0.278	0.2202	0.0123	0.2642	0.0159	0.0026	0.0169	0.0623	0.0144	0.0660	0.0049
0.300	0.2201	0.0133	0.2641	0.0172	0.0029	0.0181	0.0617	0.0158	0.0660	0.0053
0.337	0.2200	0.0149	0.2640	0.0194	0.0035	0.0199	0.0607	0.0183	0.0659	0.0060
0.413	0.2198	0.0183	0.2636	0.0238	0.0046	0.0230	0.0586	0.0237	0.0658	0.0073
0.487	0.2195	0.0216	0.2632	0.0281	0.0054	0.0257	0.0566	0.0298	0.0657	0.0087
0.600	0.2190	0.0267	0.2625	0.0347	0.0056	0.0289	0.0541	0.0400	0.0655	0.0107
0.788	0.2179	0.0353	0.2611	0.0459	0.0026	0.0337	0.0524	0.0589	0.0650	0.0142
1.013	0.2163	0.0458	0.2589	0.0597	-0.0069	0.0428	0.0558	0.0815	0.0643	0.0184
1.875	0.2079	0.0894	0.2477	0.1168	-0.0133	0.1335	0.0665	0.1256	0.0606	0.0363
3.750	0.1927	0.2011	0.2284	0.2636	0.0236	0.2213	0.0472	0.2779	0.0550	0.0826
7.500	0.1925	0.4214	0.2301	0.5492	0.0080	0.4479	0.0513	0.5495	0.0569	0.1700

TABLE C72. M = 5/2, τ = 0.3

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.1667	0.0003	0.2000	0.0004	0	0.0004	0.0500	0.0004	0.0500	0.0001
0.017	0.1667	0.0007	0.2000	0.0009	0	0.0008	0.0500	0.0008	0.0500	0.0003
0.025	0.1667	0.0010	0.2000	0.0013	0	0.0013	0.0500	0.0012	0.0500	0.0004
0.050	0.1667	0.0020	0.2000	0.0027	0	0.0025	0.0500	0.0024	0.0500	0.0008
0.059	0.1667	0.0024	0.2000	0.0031	0.0001	0.0029	0.0499	0.0028	0.0500	0.0010
0.067	0.1667	0.0027	0.2000	0.0035	0.0001	0.0034	0.0499	0.0032	0.0500	0.0011
0.076	0.1667	0.0031	0.2000	0.0040	0.0001	0.0038	0.0499	0.0036	0.0500	0.0012
0.084	0.1667	0.0034	0.2000	0.0044	0.0001	0.0042	0.0499	0.0040	0.0500	0.0014
0.092	0.1667	0.0037	0.2000	0.0049	0.0001	0.0046	0.0498	0.0044	0.0500	0.0015
0.101	0.1667	0.0041	0.2000	0.0053	0.0002	0.0050	0.0498	0.0049	0.0500	0.0016
0.109	0.1667	0.0044	0.2000	0.0057	0.0002	0.0054	0.0498	0.0053	0.0500	0.0018
0.118	0.1667	0.0048	0.2000	0.0062	0.0002	0.0058	0.0497	0.0057	0.0500	0.0019
0.126	0.1667	0.0051	0.2000	0.0066	0.0003	0.0062	0.0497	0.0061	0.0500	0.0020
0.134	0.1667	0.0054	0.2000	0.0071	0.0003	0.0067	0.0496	0.0065	0.0500	0.0022
0.143	0.1667	0.0058	0.2000	0.0075	0.0003	0.0071	0.0496	0.0069	0.0500	0.0023
0.151	0.1667	0.0061	0.2000	0.0080	0.0004	0.0075	0.0495	0.0073	0.0500	0.0024
0.160	0.1667	0.0065	0.2000	0.0084	0.0004	0.0079	0.0495	0.0077	0.0500	0.0026
0.176	0.1667	0.0071	0.2000	0.0093	0.0005	0.0087	0.0494	0.0086	0.0500	0.0029
0.193	0.1667	0.0078	0.2000	0.0102	0.0006	0.0095	0.0493	0.0094	0.0500	0.0031
0.202	0.1666	0.0082	0.2000	0.0106	0.0007	0.0099	0.0492	0.0098	0.0500	0.0033
0.218	0.1666	0.0088	0.1999	0.0115	0.0008	0.0106	0.0491	0.0107	0.0500	0.0035
0.244	0.1666	0.0099	0.1999	0.0128	0.0009	0.0118	0.0489	0.0120	0.0500	0.0039
0.260	0.1666	0.0105	0.1999	0.0137	0.0010	0.0126	0.0487	0.0129	0.0500	0.0042
0.286	0.1666	0.0116	0.1999	0.0150	0.0012	0.0137	0.0485	0.0142	0.0500	0.0046
0.302	0.1666	0.0123	0.1999	0.0159	0.0013	0.0144	0.0483	0.0151	0.0499	0.0049
0.328	0.1665	0.0133	0.1998	0.0173	0.0015	0.0155	0.0480	0.0165	0.0499	0.0053
0.361	0.1665	0.0146	0.1998	0.0190	0.0018	0.0169	0.0477	0.0184	0.0499	0.0059
0.403	0.1665	0.0163	0.1997	0.0213	0.0021	0.0186	0.0472	0.0208	0.0499	0.0065
0.437	0.1664	0.0177	0.1997	0.0230	0.0023	0.0198	0.0468	0.0228	0.0499	0.0071
0.504	0.1663	0.0204	0.1995	0.0266	0.0027	0.0223	0.0460	0.0269	0.0498	0.0082
0.588	0.1662	0.0239	0.1994	0.0310	0.0031	0.0251	0.0451	0.0323	0.0498	0.0096
0.798	0.1658	0.0325	0.1988	0.0422	0.0024	0.0313	0.0437	0.0468	0.0496	0.0130
1.008	0.1652	0.0411	0.1981	0.0535	-0.0011	0.0380	0.0442	0.0620	0.0494	0.0165
2.016	0.1615	0.0840	0.1931	0.1094	-0.0126	0.1096	0.0527	0.1124	0.0477	0.0338
2.100	0.1612	0.0877	0.1926	0.1143	-0.0095	0.1162	0.0513	0.1157	0.0476	0.0353
4.200	0.1536	0.1852	0.1829	0.2417	-0.0006	0.1862	0.0480	0.2548	0.0446	0.0750
8.400	0.1530	0.3817	0.1832	0.4971	0.0182	0.3810	0.0371	0.5030	0.0455	0.1535

TABLE C73. M = 1, τ = 0.4

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	3.2426	-3.1826	3.1409	-3.0700	0.0043	0.0045	0.4627	-0.4143	0.8711	-0.8422
0.015	2.6597	-2.5862	2.5789	-2.4921	0.0052	0.0056	0.3877	-0.3283	0.7171	-0.6818
0.020	2.3140	-2.2292	2.2459	-2.1458	0.0059	0.0065	0.3443	-0.2757	0.6261	-0.5853
0.025	2.0791	-1.9842	2.0199	-1.9079	0.0065	0.0074	0.3155	-0.2389	0.5645	-0.5190
0.030	1.9065	-1.8027	1.8540	-1.7314	0.0070	0.0082	0.2950	-0.2110	0.5194	-0.4696
0.035	1.7731	-1.6609	1.7259	-1.5935	0.0075	0.0090	0.2795	-0.1888	0.4847	-0.4309
0.040	1.6660	-1.5461	1.6232	-1.4817	0.0079	0.0097	0.2674	-0.1704	0.4570	-0.3994
0.045	1.5777	-1.4505	1.5386	-1.3885	0.0082	0.0104	0.2577	-0.1549	0.4342	-0.3731
0.050	1.5034	-1.3692	1.4675	-1.3092	0.0086	0.0111	0.2498	-0.1414	0.4151	-0.3507
0.060	1.3845	-1.2376	1.3539	-1.1805	0.0091	0.0124	0.2377	-0.1190	0.3847	-0.3142
0.070	1.2930	-1.1343	1.2666	-1.0794	0.0095	0.0137	0.2290	-0.1007	0.3615	-0.2854
0.080	1.2199	-1.0503	1.1971	-0.9970	0.0099	0.0150	0.2226	-0.0854	0.3432	-0.2618
0.090	1.1599	-0.9800	1.1402	-0.9279	0.0102	0.0163	0.2177	-0.0722	0.3282	-0.2419
0.100	1.1097	-0.9200	1.0926	-0.8688	0.0104	0.0175	0.2139	-0.0605	0.3158	-0.2248
0.120	1.0299	-0.8222	1.0173	-0.7722	0.0106	0.0200	0.2086	-0.0406	0.2964	-0.1967
0.140	0.9691	-0.7447	0.9602	-0.6954	0.0107	0.0225	0.2054	-0.0240	0.2818	-0.1741
0.160	0.9210	-0.6811	0.9153	-0.6322	0.0106	0.0251	0.2036	-0.0096	0.2706	-0.1554
0.180	0.8819	-0.6275	0.8789	-0.5787	0.0103	0.0276	0.2026	0.0031	0.2616	-0.1394
0.200	0.8496	-0.5813	0.8490	-0.5324	0.0100	0.0302	0.2022	0.0146	0.2543	-0.1255
0.240	0.7989	-0.5050	0.8024	-0.4557	0.0090	0.0354	0.2027	0.0349	0.2432	-0.1022
0.280	0.7610	-0.4436	0.7680	-0.3935	0.0076	0.0411	0.2041	0.0524	0.2353	-0.0830
0.320	0.7317	-0.3923	0.7417	-0.3412	0.0060	0.0468	0.2062	0.0682	0.2295	-0.0666
0.360	0.7084	-0.3484	0.7210	-0.2962	0.0041	0.0527	0.2082	0.0826	0.2252	-0.0523
0.400	0.6895	-0.3100	0.7045	-0.2566	0.0021	0.0589	0.2105	0.0960	0.2218	-0.0396
0.600	0.6322	-0.1670	0.6562	-0.1072	-0.0101	0.0930	0.2218	0.1533	0.2137	0.0097
0.800	0.6048	-0.0670	0.6351	-0.0002	-0.0236	0.1325	0.2307	0.2020	0.2117	0.0467
1.000	0.5899	0.0123	0.6247	0.0862	-0.0368	0.1767	0.2367	0.2467	0.2118	0.0776
1.500	0.5735	0.1679	0.6159	0.2600	-0.0611	0.3035	0.2395	0.3525	0.2144	0.1425
2.000	0.5670	0.2952	0.6134	0.4061	-0.0649	0.4427	0.2284	0.4595	0.2165	0.1995
2.500	0.5627	0.4101	0.6109	0.5405	-0.0459	0.5803	0.2080	0.5743	0.2170	0.2534
3.000	0.5583	0.5190	0.6070	0.6696	-0.0087	0.7044	0.1838	0.7000	0.2162	0.3063
3.500	0.5532	0.6248	0.6016	0.7963	0.0373	0.8072	0.1611	0.8370	0.2143	0.3590

TABLE C74. M = 10/9, τ = 0.4

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	1.0513	-0.0130	1.1564	-0.0161	0.0003	0.0040	0.4188	-0.0245	0.4205	-0.0070
0.015	1.0508	-0.0208	1.1557	-0.0257	0.0007	0.0063	0.4159	-0.0390	0.4202	-0.0111
0.025	1.0496	-0.0338	1.1541	-0.0417	0.0019	0.0101	0.4084	-0.0624	0.4194	-0.0180
0.034	1.0477	-0.0467	1.1517	-0.0576	0.0035	0.0135	0.3974	-0.0844	0.4183	-0.0249
0.049	1.0436	-0.0671	1.1463	-0.0827	0.0070	0.0183	0.3734	-0.1156	0.4158	-0.0357
0.053	1.0423	-0.0722	1.1447	-0.0889	0.0080	0.0193	0.3664	-0.1225	0.4151	-0.0384
0.057	1.0409	-0.0772	1.1429	-0.0951	0.0090	0.0202	0.3589	-0.1289	0.4142	-0.0411
0.066	1.0371	-0.0896	1.1379	-0.1104	0.0118	0.0222	0.3386	-0.1430	0.4120	-0.0476
0.076	1.0328	-0.1019	1.1323	-0.1254	0.0146	0.0235	0.3166	-0.1540	0.4094	-0.0541
0.080	1.0309	-0.1067	1.1299	-0.1313	0.0158	0.0239	0.3074	-0.1575	0.4083	-0.0566
0.085	1.0278	-0.1139	1.1259	-0.1401	0.0175	0.0243	0.2932	-0.1618	0.4064	-0.0604
0.095	1.0225	-0.1257	1.1190	-0.1545	0.0203	0.0245	0.2690	-0.1661	0.4032	-0.0665
0.104	1.0165	-0.1371	1.1112	-0.1685	0.0228	0.0242	0.2444	-0.1669	0.3996	-0.0725
0.123	1.0031	-0.1592	1.0938	-0.1953	0.0269	0.0220	0.1964	-0.1584	0.3917	-0.0838
0.133	0.9957	-0.1697	1.0842	-0.2080	0.0282	0.0203	0.1740	-0.1493	0.3872	-0.0892
0.142	0.9878	-0.1799	1.0740	-0.2202	0.0289	0.0184	0.1531	-0.1373	0.3826	-0.0943
0.160	0.9726	-0.1972	1.0543	-0.2409	0.0288	0.0145	0.1209	-0.1094	0.3735	-0.1029
0.180	0.9522	-0.2165	1.0281	-0.2638	0.0258	0.0100	0.0928	-0.0672	0.3616	-0.1122
0.200	0.9323	-0.2322	1.0025	-0.2820	0.0206	0.0071	0.0795	-0.0249	0.3499	-0.1195
0.209	0.9219	-0.2393	0.9891	-0.2902	0.0173	0.0064	0.0772	-0.0035	0.3438	-0.1227
0.238	0.8891	-0.2576	0.9471	-0.3107	0.0057	0.0076	0.0870	0.0562	0.3247	-0.1304
0.266	0.8547	-0.2713	0.9031	-0.3252	-0.0062	0.0148	0.1162	0.1019	0.3048	-0.1352
0.304	0.8073	-0.2822	0.8430	-0.3347	-0.0171	0.0322	0.1690	0.1317	0.2779	-0.1371
0.342	0.7599	-0.2849	0.7833	-0.3334	-0.0181	0.0534	0.2158	0.1270	0.2514	-0.1340
0.399	0.6920	-0.2742	0.6992	-0.3125	-0.0024	0.0763	0.2402	0.0865	0.2148	-0.1206
0.475	0.6144	-0.2374	0.6060	-0.2561	0.0197	0.0728	0.1947	0.0642	0.1759	-0.0899
0.570	0.5474	-0.1686	0.5313	-0.1587	-0.0019	0.0584	0.1589	0.1352	0.1482	-0.0406
0.665	0.5158	-0.0938	0.5047	-0.0576	-0.0308	0.0937	0.2058	0.1801	0.1437	0.0081
0.760	0.5122	-0.0295	0.5144	0.0250	-0.0162	0.1266	0.2182	0.1655	0.1559	0.0456
0.855	0.5231	0.0157	0.5406	0.0785	-0.0146	0.1245	0.1945	0.1881	0.1745	0.0676
0.950	0.5349	0.0423	0.5644	0.1057	-0.0392	0.1446	0.2082	0.2259	0.1900	0.0761
1.140	0.5317	0.0708	0.5668	0.1286	-0.0291	0.1886	0.2047	0.2439	0.1946	0.0790
1.900	0.5098	0.2589	0.5521	0.3502	-0.0629	0.3735	0.2081	0.4015	0.1953	0.1689

TABLE C75. M = 1.25, τ = 0.4

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.011	0.6790	-0.0023	0.7469	-0.0028	0.0001	0.0029	0.2713	-0.0054	0.2716	-0.0012
0.025	0.6788	-0.0053	0.7466	-0.0066	0.0005	0.0068	0.2699	-0.0125	0.2715	-0.0028
0.050	0.6780	-0.0106	0.7456	-0.0131	0.0021	0.0133	0.2648	-0.0244	0.2710	-0.0057
0.054	0.6778	-0.0114	0.7454	-0.0140	0.0024	0.0142	0.2637	-0.0259	0.2709	-0.0060
0.058	0.6777	-0.0121	0.7452	-0.0149	0.0027	0.0151	0.2627	-0.0275	0.2708	-0.0064
0.061	0.6775	-0.0128	0.7450	-0.0158	0.0030	0.0159	0.2616	-0.0290	0.2707	-0.0068
0.065	0.6773	-0.0136	0.7447	-0.0168	0.0034	0.0168	0.2604	-0.0305	0.2706	-0.0072
0.072	0.6769	-0.0151	0.7442	-0.0186	0.0041	0.0184	0.2578	-0.0334	0.2704	-0.0080
0.079	0.6765	-0.0166	0.7437	-0.0204	0.0050	0.0200	0.2550	-0.0361	0.2701	-0.0088
0.086	0.6760	-0.0180	0.7430	-0.0222	0.0058	0.0216	0.2520	-0.0387	0.2698	-0.0096
0.094	0.6755	-0.0195	0.7423	-0.0240	0.0068	0.0230	0.2488	-0.0410	0.2695	-0.0104
0.101	0.6750	-0.0209	0.7416	-0.0258	0.0077	0.0244	0.2453	-0.0432	0.2692	-0.0111
0.108	0.6743	-0.0224	0.7408	-0.0275	0.0087	0.0257	0.2417	-0.0452	0.2688	-0.0119
0.119	0.6734	-0.0245	0.7396	-0.0302	0.0103	0.0275	0.2360	-0.0477	0.2682	-0.0130
0.126	0.6727	-0.0259	0.7386	-0.0319	0.0114	0.0286	0.2319	-0.0491	0.2678	-0.0137
0.133	0.6719	-0.0273	0.7377	-0.0336	0.0125	0.0296	0.2277	-0.0503	0.2673	-0.0145
0.140	0.6711	-0.0287	0.7367	-0.0353	0.0137	0.0305	0.2234	-0.0512	0.2669	-0.0152
0.148	0.6703	-0.0301	0.7356	-0.0369	0.0148	0.0313	0.2190	-0.0519	0.2664	-0.0159
0.158	0.6690	-0.0321	0.7339	-0.0394	0.0165	0.0323	0.2121	-0.0524	0.2656	-0.0170
0.169	0.6676	-0.0341	0.7321	-0.0418	0.0182	0.0331	0.2051	-0.0523	0.2648	-0.0180
0.176	0.6666	-0.0354	0.7308	-0.0434	0.0192	0.0336	0.2004	-0.0519	0.2642	-0.0187
0.191	0.6645	-0.0379	0.7281	-0.0465	0.0213	0.0342	0.1909	-0.0502	0.2629	-0.0200
0.198	0.6634	-0.0391	0.7267	-0.0480	0.0223	0.0343	0.1861	-0.0490	0.2623	-0.0206
0.223	0.6594	-0.0433	0.7214	-0.0530	0.0253	0.0342	0.1696	-0.0426	0.2598	-0.0227
0.241	0.6562	-0.0461	0.7173	-0.0564	0.0269	0.0336	0.1583	-0.0361	0.2580	-0.0241
0.266	0.6513	-0.0498	0.7110	-0.0607	0.0283	0.0321	0.1436	-0.0243	0.2551	-0.0259
0.281	0.6484	-0.0518	0.7072	-0.0630	0.0285	0.0311	0.1360	-0.0164	0.2533	-0.0268
0.299	0.6446	-0.0540	0.7023	-0.0657	0.0283	0.0296	0.1275	-0.0055	0.2511	-0.0279
0.331	0.6373	-0.0577	0.6928	-0.0699	0.0261	0.0269	0.1155	0.0167	0.2468	-0.0295
0.353	0.6321	-0.0598	0.6861	-0.0722	0.0234	0.0253	0.1101	0.0326	0.2437	-0.0304
0.360	0.6303	-0.0605	0.6838	-0.0729	0.0223	0.0248	0.1088	0.0381	0.2426	-0.0306
0.396	0.6210	-0.0631	0.6719	-0.0757	0.0153	0.0236	0.1058	0.0658	0.2372	-0.0315
0.432	0.6113	-0.0650	0.6594	-0.0774	0.0065	0.0245	0.1088	0.0927	0.2315	-0.0319
0.468	0.6010	-0.0659	0.6463	-0.0779	-0.0036	0.0280	0.1170	0.1172	0.2255	-0.0318
0.504	0.5906	-0.0659	0.6329	-0.0771	-0.0139	0.0345	0.1295	0.1379	0.2195	-0.0310
0.594	0.5634	-0.0618	0.5983	-0.0699	-0.0347	0.0625	0.1691	0.1684	0.2040	-0.0266
0.792	0.5051	-0.0328	0.5257	-0.0278	-0.0253	0.1346	0.2111	0.1567	0.1721	-0.0049
0.900	0.4778	-0.0071	0.4928	0.0078	-0.0054	0.1468	0.1914	0.1562	0.1583	0.0127
1.800	0.4394	0.2400	0.4728	0.3226	-0.0449	0.3022	0.1764	0.3428	0.1652	0.1546
3.600	0.4329	0.5414	0.4725	0.6814	0.0605	0.6302	0.1201	0.7081	0.1695	0.3025

TABLE C76. M = 10/7, τ = 0.4

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	0.4992	0.0001	0.5491	0.0001	0	0.0020	0.1996	-0.0009	0.1997	0
0.015	0.4992	0.0001	0.5491	0.0001	0.0001	0.0031	0.1995	-0.0013	0.1997	0.0001
0.025	0.4991	0.0002	0.5490	0.0002	0.0002	0.0051	0.1992	-0.0022	0.1996	0.0001
0.041	0.4990	0.0003	0.5489	0.0004	0.0005	0.0081	0.1985	-0.0034	0.1996	0.0002
0.051	0.4989	0.0004	0.5488	0.0005	0.0009	0.0101	0.1978	-0.0042	0.1995	0.0002
0.056	0.4989	0.0004	0.5487	0.0006	0.0010	0.0111	0.1974	-0.0046	0.1995	0.0002
0.061	0.4988	0.0005	0.5486	0.0006	0.0012	0.0120	0.1970	-0.0050	0.1995	0.0003
0.066	0.4988	0.0005	0.5486	0.0007	0.0014	0.0130	0.1965	-0.0053	0.1994	0.0003
0.071	0.4987	0.0006	0.5484	0.0007	0.0017	0.0139	0.1960	-0.0057	0.1994	0.0003
0.076	0.4986	0.0006	0.5484	0.0008	0.0019	0.0149	0.1955	-0.0060	0.1993	0.0003
0.082	0.4985	0.0007	0.5483	0.0008	0.0021	0.0158	0.1949	-0.0063	0.1993	0.0004
0.087	0.4985	0.0007	0.5482	0.0009	0.0024	0.0168	0.1943	-0.0066	0.1992	0.0004
0.092	0.4984	0.0008	0.5481	0.0009	0.0027	0.0177	0.1937	-0.0068	0.1992	0.0004
0.102	0.4982	0.0009	0.5478	0.0011	0.0033	0.0195	0.1923	-0.0073	0.1991	0.0005
0.112	0.4980	0.0010	0.5475	0.0012	0.0040	0.0212	0.1908	-0.0077	0.1989	0.0005
0.122	0.4977	0.0011	0.5472	0.0013	0.0047	0.0229	0.1892	-0.0080	0.1988	0.0006
0.133	0.4975	0.0012	0.5469	0.0015	0.0054	0.0246	0.1874	-0.0083	0.1986	0.0006
0.143	0.4972	0.0013	0.5465	0.0016	0.0062	0.0261	0.1856	-0.0084	0.1985	0.0007
0.153	0.4969	0.0014	0.5461	0.0018	0.0070	0.0276	0.1836	-0.0084	0.1983	0.0008
0.158	0.4967	0.0015	0.5459	0.0018	0.0074	0.0284	0.1826	-0.0083	0.1982	0.0008
0.168	0.4964	0.0016	0.5455	0.0020	0.0083	0.0298	0.1805	-0.0081	0.1980	0.0009
0.179	0.4961	0.0017	0.5451	0.0022	0.0092	0.0311	0.1784	-0.0078	0.1978	0.0010
0.189	0.4957	0.0019	0.5446	0.0023	0.0101	0.0324	0.1761	-0.0074	0.1976	0.0010
0.199	0.4953	0.0020	0.5441	0.0025	0.0110	0.0336	0.1738	-0.0068	0.1974	0.0011
0.209	0.4949	0.0022	0.5436	0.0027	0.0119	0.0347	0.1714	-0.0061	0.1971	0.0012
0.224	0.4943	0.0024	0.5427	0.0030	0.0132	0.0362	0.1677	-0.0048	0.1967	0.0014
0.240	0.4936	0.0027	0.5418	0.0034	0.0146	0.0375	0.1640	-0.0031	0.1963	0.0015
0.270	0.4921	0.0033	0.5399	0.0041	0.0172	0.0397	0.1563	0.0012	0.1954	0.0019
0.301	0.4904	0.0039	0.5377	0.0050	0.0194	0.0412	0.1486	0.0068	0.1944	0.0023
0.342	0.4880	0.0049	0.5346	0.0063	0.0217	0.0422	0.1387	0.0164	0.1930	0.0029
0.408	0.4834	0.0070	0.5287	0.0091	0.0230	0.0422	0.1248	0.0365	0.1903	0.0041
0.510	0.4752	0.0113	0.5180	0.0147	0.0175	0.0409	0.1123	0.0750	0.1854	0.0068
0.612	0.4657	0.0172	0.5059	0.0225	0.0029	0.0433	0.1134	0.1163	0.1798	0.0105
0.791	0.4472	0.0316	0.4821	0.0416	-0.0325	0.0700	0.1420	0.1728	0.1691	0.0194
0.995	0.4249	0.0550	0.4539	0.0725	-0.0539	0.1332	0.1793	0.1943	0.1565	0.0340
1.275	0.3968	0.0983	0.4194	0.1293	-0.025	0.2050	0.1738	0.1995	0.1417	0.0605
2.550	0.3715	0.3346	0.4023	0.4273	0.0051	0.4076	0.1287	0.4190	0.1422	0.1931
5.100	0.3631	0.7003	0.3954	0.8717	0.0355	0.6796	0.1325	0.9257	0.1412	0.3815

TABLE C77. M = 5/3, τ = 0.4

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.013	0.3820	0.0009	0.4202	0.0011	0	0.0020	0.1527	0.0005	0.1528	0.0005
0.019	0.3820	0.0013	0.4202	0.0016	0.0001	0.0029	0.1527	0.0008	0.1528	0.0007
0.026	0.3819	0.0017	0.4201	0.0021	0.0001	0.0039	0.1526	0.0010	0.1528	0.0009
0.051	0.3819	0.0034	0.4201	0.0042	0.0004	0.0078	0.1521	0.0021	0.1527	0.0018
0.058	0.3819	0.0039	0.4200	0.0048	0.0005	0.0087	0.1520	0.0023	0.1527	0.0021
0.064	0.3818	0.0043	0.4200	0.0053	0.0006	0.0097	0.1518	0.0026	0.1527	0.0023
0.070	0.3818	0.0047	0.4199	0.0058	0.0007	0.0106	0.1515	0.0029	0.1527	0.0025
0.077	0.3818	0.0051	0.4199	0.0063	0.0009	0.0116	0.1513	0.0032	0.1527	0.0027
0.083	0.3818	0.0056	0.4199	0.0069	0.0010	0.0125	0.1511	0.0035	0.1527	0.0030
0.090	0.3817	0.0060	0.4198	0.0074	0.0012	0.0135	0.1508	0.0038	0.1526	0.0032
0.096	0.3817	0.0064	0.4198	0.0079	0.0013	0.0144	0.1505	0.0041	0.1526	0.0034
0.102	0.3817	0.0069	0.4198	0.0085	0.0015	0.0153	0.1502	0.0044	0.1526	0.0037
0.109	0.3816	0.0073	0.4197	0.0090	0.0017	0.0162	0.1499	0.0048	0.1526	0.0039
0.115	0.3816	0.0077	0.4196	0.0095	0.0019	0.0171	0.1495	0.0051	0.1525	0.0041
0.122	0.3815	0.0082	0.4196	0.0101	0.0021	0.0180	0.1492	0.0055	0.1525	0.0044
0.128	0.3815	0.0086	0.4195	0.0106	0.0023	0.0189	0.1488	0.0058	0.1525	0.0046
0.134	0.3814	0.0090	0.4194	0.0111	0.0026	0.0198	0.1484	0.0062	0.1525	0.0048
0.141	0.3814	0.0094	0.4194	0.0117	0.0028	0.0207	0.1480	0.0066	0.1524	0.0050
0.154	0.3813	0.0103	0.4192	0.0127	0.0033	0.0224	0.1471	0.0074	0.1524	0.0055
0.160	0.3812	0.0108	0.4192	0.0133	0.0036	0.0232	0.1467	0.0078	0.1523	0.0057
0.173	0.3811	0.0116	0.4190	0.0143	0.0041	0.0249	0.1457	0.0087	0.1522	0.0062
0.186	0.3809	0.0125	0.4188	0.0154	0.0047	0.0265	0.1447	0.0097	0.1522	0.0067
0.198	0.3808	0.0134	0.4186	0.0165	0.0052	0.0280	0.1436	0.0107	0.1521	0.0071
0.218	0.3805	0.0147	0.4183	0.0181	0.0062	0.0303	0.1419	0.0123	0.1519	0.0078
0.243	0.3802	0.0165	0.4178	0.0203	0.0074	0.0331	0.1395	0.0148	0.1517	0.0088
0.269	0.3798	0.0182	0.4173	0.0225	0.0087	0.0357	0.1369	0.0175	0.1515	0.0098
0.301	0.3792	0.0205	0.4166	0.0253	0.0104	0.0386	0.1335	0.0213	0.1511	0.0110
0.352	0.3782	0.0241	0.4153	0.0298	0.0128	0.0425	0.1280	0.0285	0.1506	0.0129
0.416	0.3768	0.0288	0.4135	0.0356	0.0151	0.0462	0.1212	0.0394	0.1497	0.0154
0.512	0.3742	0.0360	0.4101	0.0446	0.0164	0.0498	0.1124	0.0591	0.1482	0.0194
0.608	0.3713	0.0436	0.4063	0.0541	0.0139	0.0522	0.1068	0.0821	0.1464	0.0236
0.800	0.3642	0.0600	0.3972	0.0747	-0.0033	0.0609	0.1085	0.1310	0.1423	0.0327
0.992	0.3561	0.0782	0.3868	0.0977	-0.0299	0.0853	0.1254	0.1714	0.1376	0.0429
1.600	0.3297	0.1491	0.3538	0.1878	-0.0333	0.2339	0.1488	0.2167	0.1230	0.0834
3.200	0.3114	0.3734	0.3380	0.4687	0.0435	0.4312	0.0961	0.4634	0.1201	0.2074
6.400	0.3033	0.7681	0.3300	0.9524	-0.0597	0.7643	0.1538	0.9707	0.1177	0.4148

TABLE C78. M = 2, τ = 0.4

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.2941	0.0006	0.3235	0.0007	0	0.0009	0.1176	0.0006	0.1176	0.0003
0.015	0.2940	0.0012	0.3234	0.0015	0	0.0018	0.1176	0.0012	0.1176	0.0006
0.023	0.2940	0.0018	0.3234	0.0022	0	0.0026	0.1176	0.0017	0.1176	0.0009
0.037	0.2940	0.0029	0.3234	0.0036	0.0001	0.0044	0.1175	0.0029	0.1176	0.0016
0.052	0.2840	0.0041	0.3234	0.0051	0.0002	0.0062	0.1174	0.0041	0.1176	0.0022
0.060	0.2940	0.0047	0.3234	0.0058	0.0002	0.0070	0.1173	0.0047	0.1176	0.0025
0.067	0.2940	0.0053	0.3234	0.0065	0.0003	0.0079	0.1172	0.0052	0.1176	0.0028
0.075	0.2940	0.0059	0.3234	0.0073	0.0004	0.0088	0.1171	0.0058	0.1176	0.0031
0.083	0.2940	0.0065	0.3234	0.0080	0.0005	0.0096	0.1170	0.0064	0.1176	0.0035
0.090	0.2940	0.0071	0.3233	0.0087	0.0005	0.0105	0.1169	0.0070	0.1176	0.0038
0.098	0.2940	0.0076	0.3233	0.0094	0.0006	0.0114	0.1167	0.0076	0.1176	0.0041
0.105	0.2939	0.0082	0.3233	0.0102	0.0007	0.0122	0.1166	0.0082	0.1175	0.0044
0.112	0.2939	0.0088	0.3233	0.0109	0.0008	0.0131	0.1165	0.0088	0.1175	0.0047
0.128	0.2939	0.0100	0.3232	0.0123	0.0011	0.0148	0.1161	0.0101	0.1175	0.0053
0.135	0.2938	0.0106	0.3232	0.0131	0.0012	0.0156	0.1160	0.0107	0.1175	0.0057
0.143	0.2938	0.0112	0.3232	0.0138	0.0013	0.0164	0.1158	0.0113	0.1175	0.0060
0.150	0.2938	0.0118	0.3231	0.0145	0.0015	0.0172	0.1156	0.0120	0.1175	0.0063
0.158	0.2938	0.0124	0.3231	0.0153	0.0016	0.0181	0.1154	0.0126	0.1175	0.0066
0.173	0.2937	0.0135	0.3230	0.0167	0.0019	0.0197	0.1149	0.0139	0.1174	0.0072
0.188	0.2937	0.0147	0.3230	0.0182	0.0022	0.0213	0.1145	0.0152	0.1174	0.0079
0.202	0.2936	0.0159	0.3229	0.0196	0.0026	0.0229	0.1140	0.0166	0.1174	0.0085
0.218	0.2935	0.0171	0.3228	0.0211	0.0029	0.0244	0.1134	0.0180	0.1173	0.0091
0.240	0.2934	0.0189	0.3227	0.0233	0.0035	0.0267	0.1126	0.0201	0.1173	0.0101
0.263	0.2933	0.0207	0.3225	0.0255	0.0041	0.0289	0.1117	0.0223	0.1172	0.0110
0.278	0.2932	0.0218	0.3224	0.0269	0.0045	0.0303	0.1111	0.0239	0.1171	0.0117
0.300	0.2931	0.0236	0.3222	0.0291	0.0051	0.0323	0.1101	0.0262	0.1171	0.0126
0.337	0.2929	0.0266	0.3219	0.0328	0.0061	0.0356	0.1084	0.0303	0.1169	0.0142
0.413	0.2923	0.0326	0.3212	0.0402	0.0081	0.0414	0.1048	0.0394	0.1166	0.0174
0.487	0.2916	0.0386	0.3203	0.0477	0.0096	0.0463	0.1013	0.0495	0.1162	0.0207
0.600	0.2904	0.0478	0.3187	0.0591	0.0104	0.0523	0.0968	0.0665	0.1154	0.0256
0.788	0.2880	0.0635	0.3156	0.0785	0.0060	0.0610	0.0933	0.0983	0.1140	0.0340
1.013	0.2844	0.0830	0.3110	0.1027	-0.0092	0.0760	0.0980	0.1368	0.1119	0.0446
1.875	0.2685	0.1661	0.2909	0.2066	-0.0303	0.2309	0.1208	0.2151	0.1030	0.0904
3.750	0.2558	0.3712	0.2783	0.4623	0.0361	0.3923	0.0851	0.4697	0.0992	0.2024
7.500	0.2512	0.7576	0.2740	0.9374	0.0029	0.7921	0.0977	0.9273	0.0981	0.4071

TABLE C79. M = 5/2, τ = 0.4

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.2223	0.0006	0.2445	0.0007	0	0.0007	0.0889	0.0007	0.0889	0.0003
0.017	0.2223	0.0012	0.2445	0.0015	0	0.0015	0.0889	0.0013	0.0889	0.0006
0.025	0.2223	0.0018	0.2445	0.0022	0	0.0022	0.0889	0.0020	0.0889	0.0010
0.050	0.2223	0.0036	0.2445	0.0045	0.0001	0.0045	0.0888	0.0041	0.0889	0.0019
0.059	0.2223	0.0042	0.2445	0.0052	0.0001	0.0052	0.0888	0.0047	0.0889	0.0023
0.067	0.2223	0.0048	0.2445	0.0060	0.0001	0.0060	0.0887	0.0054	0.0889	0.0026
0.076	0.2222	0.0054	0.2445	0.0067	0.0002	0.0067	0.0887	0.0061	0.0889	0.0029
0.084	0.2222	0.0060	0.2445	0.0075	0.0002	0.0074	0.0887	0.0068	0.0889	0.0032
0.092	0.2222	0.0067	0.2444	0.0082	0.0002	0.0082	0.0886	0.0075	0.0889	0.0035
0.101	0.2222	0.0073	0.2445	0.0089	0.0003	0.0089	0.0886	0.0081	0.0889	0.0039
0.109	0.2222	0.0079	0.2444	0.0097	0.0003	0.0096	0.0885	0.0088	0.0889	0.0042
0.118	0.2222	0.0085	0.2444	0.0104	0.0004	0.0104	0.0884	0.0095	0.0889	0.0045
0.126	0.2222	0.0091	0.2444	0.0112	0.0005	0.0111	0.0884	0.0102	0.0889	0.0048
0.134	0.2222	0.0097	0.2444	0.0119	0.0005	0.0118	0.0883	0.0109	0.0889	0.0052
0.143	0.2222	0.0103	0.2444	0.0127	0.0006	0.0126	0.0882	0.0116	0.0889	0.0055
0.151	0.2222	0.0109	0.2444	0.0134	0.0006	0.0133	0.0881	0.0123	0.0889	0.0058
0.160	0.2222	0.0115	0.2444	0.0142	0.0007	0.0140	0.0880	0.0130	0.0889	0.0061
0.176	0.2222	0.0127	0.2444	0.0157	0.0009	0.0154	0.0879	0.0144	0.0888	0.0068
0.193	0.2221	0.0139	0.2443	0.0172	0.0010	0.0169	0.0877	0.0158	0.0888	0.0074
0.202	0.2221	0.0145	0.2443	0.0179	0.0011	0.0176	0.0875	0.0165	0.0888	0.0077
0.218	0.2221	0.0157	0.2443	0.0194	0.0013	0.0190	0.0873	0.0179	0.0888	0.0084
0.244	0.2221	0.0175	0.2442	0.0216	0.0016	0.0210	0.0870	0.0201	0.0888	0.0094
0.260	0.2220	0.0188	0.2442	0.0231	0.0018	0.0224	0.0867	0.0216	0.0888	0.0100
0.286	0.2220	0.0206	0.2441	0.0254	0.0021	0.0244	0.0863	0.0238	0.0887	0.0110
0.302	0.2220	0.0218	0.2441	0.0269	0.0023	0.0257	0.0860	0.0254	0.0887	0.0116
0.328	0.2219	0.0236	0.2440	0.0291	0.0027	0.0276	0.0855	0.0277	0.0887	0.0126
0.361	0.2218	0.0260	0.2439	0.0321	0.0031	0.0301	0.0849	0.0308	0.0886	0.0139
0.403	0.2217	0.0291	0.2438	0.0359	0.0037	0.0332	0.0841	0.0348	0.0886	0.0155
0.437	0.2216	0.0315	0.2436	0.0389	0.0041	0.0355	0.0834	0.0381	0.0885	0.0168
0.504	0.2214	0.0364	0.2434	0.0449	0.0049	0.0399	0.0821	0.0450	0.0884	0.0194
0.588	0.2211	0.0425	0.2429	0.0525	0.0055	0.0450	0.0805	0.0540	0.0882	0.0227
0.798	0.2201	0.0580	0.2417	0.0715	0.0047	0.0563	0.0778	0.0784	0.0876	0.0310
1.008	0.2189	0.0736	0.2402	0.0908	-0.0006	0.0680	0.0782	0.1041	0.0869	0.0393
2.016	0.2115	0.1521	0.2307	0.1883	-0.0253	0.1895	0.0946	0.1917	0.0827	0.0818
2.100	0.2109	0.1589	0.2299	0.1968	-0.0211	0.2015	0.0928	0.1971	0.0823	0.0855
4.200	0.2032	0.3364	0.2216	0.4170	0.0049	0.3275	0.0811	0.4319	0.0794	0.1816
8.400	0.2020	0.6819	0.2211	0.8425	0.0259	0.6880	0.0689	0.8432	0.0798	0.3652

TABLE C80. M = 1, τ = 0.5

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	3.6336	-3.5498	3.0391	-2.9470	0.0068	0.0072	0.7382	-0.6643	1.2223	-1.1721
0.015	2.9840	-2.8811	2.5003	-2.3872	0.0083	0.0089	0.6178	-0.5273	1.0083	-0.9467
0.020	2.5988	-2.4803	2.1815	-2.0510	0.0094	0.0104	0.5480	-0.4435	0.8820	-0.8109
0.025	2.3377	-2.2051	1.9656	-1.8198	0.0104	0.0118	0.5017	-0.3849	0.7968	-0.7173
0.030	2.1459	-2.0008	1.8075	-1.6479	0.0113	0.0131	0.4686	-0.3406	0.7346	-0.6475
0.035	1.9978	-1.8411	1.6857	-1.5132	0.0120	0.0143	0.4436	-0.3053	0.6867	-0.5926
0.040	1.8792	-1.7116	1.5882	-1.4038	0.0127	0.0154	0.4241	-0.2762	0.6486	-0.5480
0.045	1.7815	-1.6038	1.5081	-1.3125	0.0132	0.0166	0.4084	-0.2516	0.6174	-0.5107
0.050	1.6994	-1.5120	1.4409	-1.2347	0.0138	0.0176	0.3955	-0.2303	0.5912	-0.4787
0.060	1.5681	-1.3629	1.3338	-1.1080	0.0147	0.0198	0.3758	-0.1948	0.5498	-0.4266
0.070	1.4674	-1.2456	1.2520	-1.0081	0.0154	0.0218	0.3616	-0.1661	0.5183	-0.3852
0.080	1.3871	-1.1500	1.1870	-0.9263	0.0160	0.0238	0.3510	-0.1419	0.4935	-0.3513
0.090	1.3215	-1.0700	1.1342	-0.8576	0.0165	0.0258	0.3428	-0.1211	0.4734	-0.3226
0.100	1.2665	-1.0015	1.0901	-0.7986	0.0168	0.0278	0.3365	-0.1028	0.4568	-0.2978
0.120	1.1797	-0.8893	1.0209	-0.7015	0.0173	0.0317	0.3277	-0.0716	0.4310	-0.2568
0.140	1.1138	-0.8001	0.9688	-0.6238	0.0175	0.0356	0.3222	-0.0456	0.4119	-0.2238
0.160	1.0619	-0.7266	0.9283	-0.5594	0.0174	0.0396	0.3188	-0.0232	0.3973	-0.1961
0.180	1.0201	-0.6644	0.8958	-0.5046	0.0171	0.0435	0.3169	-0.0034	0.3858	-0.1724
0.200	0.9855	-0.6106	0.8693	-0.4569	0.0166	0.0476	0.3160	0.0145	0.3766	-0.1516
0.240	0.9318	-0.5211	0.8288	-0.3769	0.0152	0.0558	0.3162	0.0458	0.3628	-0.1164
0.280	0.8922	-0.4485	0.7995	-0.3114	0.0132	0.0644	0.3180	0.0729	0.3534	-0.0871
0.320	0.8619	-0.3874	0.7776	-0.2557	0.0108	0.0732	0.3207	0.0972	0.3466	-0.0619
0.360	0.8380	-0.3347	0.7608	-0.2071	0.0080	0.0824	0.3239	0.1193	0.3418	-0.0398
0.400	0.8188	-0.2882	0.7477	-0.1639	0.0049	0.0919	0.3273	0.1398	0.3382	-0.0198
0.600	0.7627	-0.1119	0.7124	0.0037	-0.0135	0.1444	0.3446	0.2268	0.3311	0.0596
0.800	0.7374	0.0154	0.6997	0.1290	-0.0345	0.2050	0.3588	0.3002	0.3310	0.1212
1.000	0.7243	0.1193	0.6950	0.2340	-0.0552	0.2728	0.3688	0.3671	0.3328	0.1743
1.500	0.7104	0.3312	0.6928	0.4556	-0.0951	0.4675	0.3759	0.5235	0.3376	0.2900
2.000	0.7033	0.5127	0.6908	0.6523	-0.1056	0.6827	0.3620	0.6800	0.3391	0.3960
2.500	0.6963	0.6830	0.6852	0.8412	-0.0825	0.8986	0.3339	0.8467	0.3371	0.4997
3.000	0.6880	0.8464	0.6769	1.0255	-0.0301	1.0960	0.2978	1.0285	0.3329	0.6022
3.500	0.6784	1.0098	0.6661	1.2117	0.0368	1.2646	0.2632	1.2270	0.3269	0.7068

TABLE C81. M = 10/9, τ = 0.5

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	1.3140	-0.0204	1.3138	-0.0238	0.0004	0.0062	0.6546	-0.0369	0.6568	-0.0136
0.015	1.3129	-0.0325	1.3126	-0.0380	0.0011	0.0099	0.6504	-0.0588	0.6561	-0.0217
0.025	1.3105	-0.0528	1.3095	-0.0615	0.0028	0.0158	0.6393	-0.0942	0.6543	-0.0351
0.034	1.3069	-0.0728	1.3051	-0.0849	0.0053	0.0213	0.6233	-0.1276	0.6516	-0.0485
0.049	1.2989	-0.1043	1.2950	-0.1215	0.0105	0.0289	0.5882	-0.1753	0.6456	-0.0693
0.053	1.2964	-0.1120	1.2920	-0.1304	0.0120	0.0305	0.5778	-0.1859	0.6437	-0.0744
0.057	1.2938	-0.1197	1.2886	-0.1393	0.0136	0.0320	0.5668	-0.1958	0.6417	-0.0795
0.066	1.2864	-0.1386	1.2794	-0.1612	0.0178	0.0352	0.5371	-0.2179	0.6362	-0.0919
0.076	1.2781	-0.1571	1.2690	-0.1825	0.0222	0.0376	0.5046	-0.2356	0.6300	-0.1039
0.080	1.2745	-0.1643	1.2646	-0.1908	0.0240	0.0383	0.4910	-0.2413	0.6273	-0.1086
0.085	1.2686	-0.1750	1.2573	-0.2030	0.0267	0.0391	0.4699	-0.2485	0.6230	-0.1155
0.095	1.2583	-0.1923	1.2445	-0.2228	0.0310	0.0398	0.4340	-0.2565	0.6153	-0.1267
0.104	1.2470	-0.2089	1.2303	-0.2417	0.0351	0.0396	0.3973	-0.2594	0.6068	-0.1373
0.123	1.2217	-0.2401	1.1990	-0.2768	0.0418	0.0369	0.3250	-0.2504	0.5881	-0.1568
0.133	1.2079	-0.2545	1.1818	-0.2929	0.0442	0.0347	0.2908	-0.2388	0.5779	-0.1656
0.142	1.1933	-0.2680	1.1638	-0.3078	0.0458	0.0320	0.2586	-0.2228	0.5671	-0.1738
0.160	1.1654	-0.2902	1.1293	-0.3318	0.0465	0.0264	0.2080	-0.1846	0.5466	-0.1867
0.180	1.1288	-0.3131	1.0843	-0.3558	0.0432	0.0196	0.1617	-0.1252	0.5199	-0.1993
0.200	1.0937	-0.3299	1.0413	-0.3724	0.0366	0.0147	0.1367	-0.0643	0.4945	-0.2075
0.209	1.0757	-0.3367	1.0193	-0.3787	0.0322	0.0131	0.1305	-0.0330	0.4815	-0.2104
0.238	1.0203	-0.3511	0.9522	-0.3898	0.0159	0.0132	0.1360	0.0566	0.4421	-0.2143
0.266	0.9646	-0.3562	0.8853	-0.3894	-0.0017	0.0216	0.1711	0.1290	0.4030	-0.2113
0.304	0.8924	-0.3495	0.8000	-0.3717	-0.0198	0.0445	0.2421	0.1839	0.3538	-0.1970
0.342	0.8260	-0.3288	0.7234	-0.3371	-0.0252	0.0744	0.3108	0.1899	0.3104	-0.1727
0.399	0.7429	-0.2774	0.6318	-0.2610	-0.0088	0.1109	0.3584	0.1451	0.2604	-0.1223
0.475	0.6703	-0.1872	0.5618	-0.1372	0.0213	0.1163	0.3138	0.1100	0.2266	-0.0436
0.570	0.6391	-0.0744	0.5513	0.0076	0.0007	0.1022	0.2640	0.1916	0.2317	0.0448
0.665	0.6498	0.0078	0.5902	0.1032	-0.0353	0.1448	0.3137	0.2547	0.2653	0.0993
0.760	0.6686	0.0528	0.6311	0.1453	-0.0223	0.1876	0.3286	0.2487	0.2968	0.1189
0.855	0.6721	0.0759	0.6439	0.1591	-0.0260	0.1910	0.3037	0.2857	0.3079	0.1212
0.950	0.6569	0.0989	0.6271	0.1769	-0.0601	0.2248	0.3262	0.3371	0.2986	0.1274
1.140	0.6203	0.1838	0.5845	0.2743	-0.0452	0.2945	0.3233	0.3616	0.2744	0.1824
1.900	0.6183	0.4546	0.6028	0.5740	-0.0985	0.5752	0.3272	0.5938	0.2936	0.3468

TABLE C82. M = 1.25, τ = 0.5

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.011	0.8487	-0.0036	0.6960	-0.0042	0.0001	0.0046	0.3348	-0.0082	0.2716	-0.0024
0.025	0.8483	-0.0083	0.8482	-0.0097	0.0008	0.0106	0.4219	-0.0190	0.4240	-0.0055
0.050	0.8468	-0.0165	0.8463	-0.0193	0.0031	0.0208	0.4144	-0.0371	0.4229	-0.0110
0.054	0.8465	-0.0177	0.8459	-0.0206	0.0036	0.0222	0.4129	-0.0395	0.4226	-0.0118
0.058	0.8462	-0.0188	0.8455	-0.0220	0.0041	0.0236	0.4113	-0.0419	0.4224	-0.0125
0.061	0.8458	-0.0200	0.8451	-0.0233	0.0046	0.0250	0.4097	-0.0442	0.4222	-0.0133
0.065	0.8455	-0.0212	0.8447	-0.0247	0.0051	0.0263	0.4080	-0.0465	0.4219	-0.0141
0.072	0.8447	-0.0234	0.8437	-0.0273	0.0062	0.0289	0.4042	-0.0510	0.4213	-0.0156
0.079	0.8439	-0.0257	0.8427	-0.0299	0.0075	0.0315	0.4001	-0.0552	0.4207	-0.0171
0.086	0.8429	-0.0280	0.8415	-0.0326	0.0088	0.0339	0.3957	-0.0592	0.4200	-0.0186
0.094	0.8419	-0.0302	0.8401	-0.0351	0.0102	0.0362	0.3909	-0.0629	0.4192	-0.0200
0.101	0.8408	-0.0324	0.8388	-0.0377	0.0117	0.0384	0.3859	-0.0663	0.4184	-0.0215
0.108	0.8396	-0.0346	0.8373	-0.0402	0.0132	0.0405	0.3805	-0.0694	0.4175	-0.0229
0.119	0.8377	-0.0378	0.8350	-0.0439	0.0156	0.0434	0.3720	-0.0735	0.4161	-0.0250
0.126	0.8364	-0.0399	0.8333	-0.0463	0.0173	0.0452	0.3660	-0.0758	0.4151	-0.0264
0.133	0.8349	-0.0420	0.8315	-0.0487	0.0190	0.0469	0.3599	-0.0778	0.4140	-0.0277
0.140	0.8334	-0.0440	0.8296	-0.0510	0.0208	0.0484	0.3535	-0.0794	0.4129	-0.0290
0.148	0.8318	-0.0460	0.8276	-0.0533	0.0225	0.0498	0.3469	-0.0807	0.4117	-0.0303
0.158	0.8293	-0.0489	0.8245	-0.0566	0.0251	0.0515	0.3368	-0.0819	0.4098	-0.0322
0.169	0.8266	-0.0517	0.8211	-0.0598	0.0277	0.0530	0.3264	-0.0822	0.4078	-0.0340
0.176	0.8248	-0.0536	0.8188	-0.0619	0.0294	0.0538	0.3194	-0.0819	0.4064	-0.0351
0.191	0.8208	-0.0571	0.8139	-0.0659	0.0327	0.0550	0.3051	-0.0801	0.4035	-0.0373
0.198	0.8188	-0.0588	0.8114	-0.0678	0.0343	0.0554	0.2979	-0.0786	0.4020	-0.0384
0.223	0.8110	-0.0644	0.8017	-0.0739	0.0392	0.0559	0.2731	-0.0703	0.3962	-0.0417
0.241	0.8050	-0.0680	0.7943	-0.0778	0.0420	0.0553	0.2559	-0.0615	0.3918	-0.0438
0.266	0.7960	-0.0724	0.7832	-0.0824	0.0447	0.0535	0.2333	-0.0454	0.3851	-0.0462
0.281	0.7906	-0.0746	0.7765	-0.0846	0.0455	0.0521	0.2215	-0.0344	0.3811	-0.0473
0.299	0.7836	-0.0769	0.7678	-0.0870	0.0456	0.0500	0.2081	-0.0190	0.3760	-0.0485
0.331	0.7703	-0.0802	0.7513	-0.0898	0.0434	0.0461	0.1885	0.0126	0.3662	-0.0497
0.353	0.7609	-0.0816	0.7399	-0.0907	0.0401	0.0437	0.1789	0.0357	0.3594	-0.0499
0.360	0.7578	-0.0819	0.7360	-0.0908	0.0387	0.0430	0.1765	0.0436	0.3571	-0.0499
0.396	0.7415	-0.0825	0.7160	-0.0901	0.0294	0.0406	0.1693	0.0841	0.3453	-0.0488
0.432	0.7247	-0.0812	0.6956	-0.0870	0.0172	0.0410	0.1707	0.1243	0.3333	-0.0464
0.468	0.7076	-0.0781	0.6749	-0.0816	0.0028	0.0450	0.1799	0.1616	0.3211	-0.0425
0.504	0.6905	-0.0731	0.6543	-0.0738	-0.0124	0.0531	0.1957	0.1941	0.3091	-0.0373
0.594	0.6486	-0.0531	0.6047	-0.0448	-0.0453	0.0906	0.2501	0.2468	0.2804	-0.0183
0.792	0.5736	0.0228	0.5206	0.0573	-0.0451	0.1985	0.3219	0.2454	0.2338	0.0459
0.900	0.5478	0.0752	0.4955	0.1252	-0.0200	0.2254	0.3033	0.2434	0.2215	0.0876
1.800	0.5564	0.3832	0.5482	0.4753	-0.0769	0.4675	0.2815	0.5096	0.2700	0.2837
3.600	0.5237	0.8595	0.5129	1.0205	0.0795	0.9953	0.1949	1.0369	0.2510	0.5907

TABLE C83. M = 10/7, τ = 0.5

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	0.6240	0.0001	0.6240	0.0001	0.0001	0.0032	0.3119	-0.0014	0.3120	0.0001
0.015	0.6240	0.0002	0.6239	0.0002	0.0001	0.0048	0.3118	-0.0021	0.3120	0.0001
0.025	0.6239	0.0003	0.6238	0.0004	0.0003	0.0079	0.3113	-0.0034	0.3119	0.0002
0.041	0.6237	0.0005	0.6236	0.0006	0.0008	0.0126	0.3102	-0.0054	0.3118	0.0003
0.051	0.6235	0.0006	0.6234	0.0008	0.0013	0.0157	0.3092	-0.0067	0.3116	0.0004
0.056	0.6234	0.0007	0.6233	0.0008	0.0016	0.0173	0.3087	-0.0073	0.3116	0.0005
0.061	0.6233	0.0008	0.6231	0.0009	0.0018	0.0188	0.3080	-0.0078	0.3115	0.0005
0.066	0.6231	0.0009	0.6229	0.0010	0.0022	0.0203	0.3073	-0.0084	0.3114	0.0006
0.071	0.6230	0.0009	0.6227	0.0011	0.0025	0.0218	0.3066	-0.0090	0.3112	0.0006
0.076	0.6229	0.0010	0.6226	0.0012	0.0029	0.0233	0.3058	-0.0095	0.3112	0.0007
0.082	0.6227	0.0011	0.6224	0.0013	0.0032	0.0248	0.3050	-0.0100	0.3110	0.0007
0.087	0.6226	0.0012	0.6222	0.0014	0.0036	0.0263	0.3041	-0.0105	0.3109	0.0008
0.092	0.6224	0.0012	0.6220	0.0015	0.0041	0.0277	0.3032	-0.0109	0.3108	0.0008
0.102	0.6220	0.0014	0.6215	0.0017	0.0050	0.0305	0.3011	-0.0117	0.3105	0.0010
0.112	0.6216	0.0016	0.6210	0.0019	0.0060	0.0333	0.2989	-0.0124	0.3102	0.0011
0.122	0.6211	0.0018	0.6204	0.0021	0.0070	0.0360	0.2965	-0.0130	0.3098	0.0012
0.133	0.6206	0.0020	0.6198	0.0023	0.0081	0.0386	0.2940	-0.0134	0.3095	0.0013
0.143	0.6201	0.0022	0.6191	0.0026	0.0093	0.0411	0.2913	-0.0137	0.3091	0.0015
0.153	0.6195	0.0024	0.6184	0.0028	0.0106	0.0435	0.2884	-0.0138	0.3086	0.0017
0.158	0.6192	0.0025	0.6180	0.0030	0.0112	0.0447	0.2869	-0.0138	0.3084	0.0017
0.168	0.6186	0.0027	0.6172	0.0033	0.0125	0.0469	0.2838	-0.0137	0.3079	0.0019
0.179	0.6179	0.0030	0.6164	0.0036	0.0139	0.0491	0.2806	-0.0133	0.3074	0.0021
0.189	0.6172	0.0033	0.6155	0.0039	0.0152	0.0511	0.2773	-0.0128	0.3069	0.0023
0.199	0.6165	0.0035	0.6146	0.0043	0.0166	0.0531	0.2738	-0.0121	0.3064	0.0025
0.209	0.6157	0.0038	0.6136	0.0047	0.0180	0.0549	0.2703	-0.0112	0.3058	0.0027
0.224	0.6145	0.0043	0.6121	0.0053	0.0202	0.0574	0.2649	-0.0095	0.3049	0.0031
0.240	0.6131	0.0049	0.6104	0.0059	0.0223	0.0597	0.2592	-0.0073	0.3039	0.0035
0.270	0.6103	0.0061	0.6069	0.0074	0.0263	0.0634	0.2477	-0.0014	0.3018	0.0044
0.301	0.6071	0.0074	0.6030	0.0092	0.0300	0.0661	0.2361	0.0064	0.2994	0.0055
0.342	0.6025	0.0097	0.5972	0.0120	0.0339	0.0683	0.2211	0.0198	0.2960	0.0072
0.408	0.5940	0.0142	0.5867	0.0177	0.0368	0.0690	0.1996	0.0484	0.2897	0.0106
0.510	0.5790	0.0237	0.5682	0.0298	0.0306	0.0676	0.1786	0.1042	0.2787	0.0180
0.612	0.5624	0.0366	0.5479	0.0463	0.0108	0.0704	0.1770	0.1654	0.2667	0.0280
0.791	0.5319	0.0678	0.5111	0.0861	-0.0412	0.1059	0.2143	0.2532	0.2452	0.0523
0.995	0.4996	0.1160	0.4734	0.1473	-0.0794	0.1953	0.2702	0.2938	0.2236	0.0893
1.275	0.4679	0.1977	0.4397	0.2495	-0.0509	0.3102	0.2744	0.3051	0.2057	0.1507
2.550	0.4727	0.5270	0.4694	0.6302	-0.0076	0.6318	0.2096	0.6199	0.2331	0.3668
5.100	0.4439	1.1021	0.4354	1.2960	0.0673	1.0801	0.1984	1.3622	0.2135	0.7450

TABLE C84. M = 5/3, τ = 0.5

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.013	0.4775	0.0013	0.4775	0.0016	0	0.0031	0.2387	0.0007	0.2387	0.0009
0.019	0.4774	0.0020	0.4774	0.0023	0.0001	0.0046	0.2386	0.0011	0.2387	0.0013
0.026	0.4774	0.0027	0.4774	0.0031	0.0001	0.0061	0.2385	0.0014	0.2387	0.0018
0.051	0.4773	0.0054	0.4773	0.0062	0.0006	0.0122	0.2378	0.0029	0.2386	0.0036
0.058	0.4773	0.0060	0.4772	0.0070	0.0007	0.0137	0.2375	0.0033	0.2386	0.0040
0.064	0.4772	0.0067	0.4772	0.0078	0.0009	0.0152	0.2372	0.0036	0.2385	0.0045
0.070	0.4771	0.0074	0.4771	0.0086	0.0011	0.0167	0.2369	0.0040	0.2385	0.0049
0.077	0.4771	0.0080	0.4770	0.0094	0.0013	0.0181	0.2366	0.0044	0.2385	0.0054
0.083	0.4771	0.0087	0.4770	0.0102	0.0015	0.0196	0.2362	0.0049	0.2384	0.0058
0.090	0.4770	0.0094	0.4768	0.0109	0.0018	0.0211	0.2358	0.0053	0.2384	0.0063
0.096	0.4769	0.0101	0.4767	0.0117	0.0020	0.0225	0.2354	0.0057	0.2383	0.0067
0.102	0.4768	0.0107	0.4767	0.0125	0.0023	0.0240	0.2349	0.0062	0.2383	0.0072
0.109	0.4768	0.0114	0.4766	0.0133	0.0026	0.0254	0.2345	0.0067	0.2382	0.0076
0.115	0.4767	0.0121	0.4765	0.0141	0.0029	0.0268	0.2340	0.0071	0.2381	0.0081
0.122	0.4766	0.0128	0.4764	0.0149	0.0032	0.0282	0.2334	0.0076	0.2381	0.0085
0.128	0.4765	0.0134	0.4762	0.0157	0.0035	0.0296	0.2329	0.0081	0.2380	0.0090
0.134	0.4764	0.0141	0.4761	0.0165	0.0039	0.0310	0.2323	0.0087	0.2379	0.0094
0.141	0.4763	0.0148	0.4760	0.0173	0.0042	0.0324	0.2317	0.0092	0.2378	0.0099
0.154	0.4761	0.0162	0.4757	0.0189	0.0050	0.0351	0.2304	0.0103	0.2377	0.0108
0.160	0.4759	0.0168	0.4755	0.0197	0.0054	0.0364	0.2297	0.0109	0.2376	0.0112
0.173	0.4757	0.0182	0.4752	0.0213	0.0062	0.0390	0.2283	0.0122	0.2374	0.0122
0.186	0.4754	0.0196	0.4749	0.0229	0.0070	0.0416	0.2268	0.0135	0.2372	0.0131
0.198	0.4751	0.0210	0.4745	0.0245	0.0079	0.0441	0.2252	0.0150	0.2370	0.0140
0.218	0.4746	0.0231	0.4739	0.0270	0.0093	0.0476	0.2227	0.0173	0.2366	0.0154
0.243	0.4740	0.0259	0.4731	0.0303	0.0113	0.0521	0.2191	0.0207	0.2361	0.0173
0.269	0.4732	0.0287	0.4721	0.0336	0.0133	0.0563	0.2152	0.0246	0.2355	0.0192
0.301	0.4721	0.0323	0.4708	0.0378	0.0158	0.0610	0.2102	0.0301	0.2347	0.0217
0.352	0.4703	0.0382	0.4685	0.0447	0.0196	0.0691	0.2019	0.0396	0.2333	0.0256
0.416	0.4675	0.0458	0.4651	0.0537	0.0235	0.0738	0.1916	0.0559	0.2313	0.0308
0.512	0.4627	0.0578	0.4591	0.0679	0.0263	0.0801	0.1779	0.0845	0.2278	0.0391
0.608	0.4572	0.0705	0.4523	0.0832	0.0236	0.0843	0.1686	0.1180	0.2237	0.0479
0.800	0.4447	0.0988	0.4370	0.1172	0.0003	0.0970	0.1686	0.1904	0.2146	0.0678
0.992	0.4312	0.1310	0.4207	0.1562	-0.0386	0.1309	0.1911	0.2526	0.2051	0.0907
1.600	0.3960	0.2554	0.3806	0.3074	-0.0612	0.3525	0.2346	0.3283	0.1826	0.1797
3.200	0.3948	0.5881	0.3924	0.6953	0.0544	0.6717	0.1556	0.6836	0.1950	0.4013
6.400	0.3782	1.2077	0.3740	1.4158	-0.0718	1.1856	0.2305	1.4412	0.1849	0.8120

TABLE C85. M = 2, τ = 0.5

ω	k'_c	k''_c	m'_c	m''_c	n'_a	n''_a	n'_b	n''_b	n'_c	n''_c
0.008	0.3676	0.0009	0.3676	0.0011	0	0.0014	0.1838	0.0008	0.1838	0.0006
0.015	0.3675	0.0018	0.3675	0.0021	0	0.0028	0.1837	0.0017	0.1838	0.0012
0.023	0.3676	0.0028	0.3675	0.0032	0.0001	0.0041	0.1837	0.0025	0.1838	0.0018
0.037	0.3675	0.0046	0.3675	0.0054	0.0001	0.0069	0.1836	0.0042	0.1838	0.0031
0.052	0.3675	0.0064	0.3675	0.0075	0.0003	0.0096	0.1834	0.0059	0.1837	0.0043
0.060	0.3675	0.0074	0.3674	0.0086	0.0004	0.0110	0.1833	0.0068	0.1837	0.0049
0.067	0.3675	0.0083	0.3674	0.0097	0.0005	0.0124	0.1831	0.0076	0.1837	0.0055
0.075	0.3675	0.0092	0.3674	0.0107	0.0006	0.0137	0.1830	0.0085	0.1837	0.0061
0.083	0.3674	0.0101	0.3674	0.0118	0.0007	0.0151	0.1829	0.0094	0.1837	0.0067
0.090	0.3674	0.0110	0.3673	0.0129	0.0008	0.0164	0.1827	0.0102	0.1837	0.0074
0.098	0.3674	0.0120	0.3673	0.0139	0.0010	0.0178	0.1825	0.0111	0.1836	0.0080
0.105	0.3673	0.0129	0.3673	0.0150	0.0011	0.0191	0.1823	0.0120	0.1836	0.0086
0.112	0.3673	0.0138	0.3672	0.0161	0.0013	0.0204	0.1821	0.0129	0.1836	0.0092
0.128	0.3672	0.0156	0.3671	0.0182	0.0016	0.0231	0.1816	0.0147	0.1835	0.0104
0.135	0.3672	0.0166	0.3671	0.0193	0.0018	0.0244	0.1813	0.0156	0.1835	0.0110
0.143	0.3671	0.0175	0.3670	0.0204	0.0020	0.0257	0.1810	0.0165	0.1835	0.0117
0.150	0.3671	0.0184	0.3670	0.0215	0.0022	0.0270	0.1808	0.0174	0.1834	0.0123
0.158	0.3670	0.0193	0.3669	0.0226	0.0024	0.0283	0.1805	0.0184	0.1834	0.0129
0.173	0.3669	0.0212	0.3668	0.0247	0.0029	0.0308	0.1798	0.0203	0.1833	0.0141
0.188	0.3668	0.0230	0.3667	0.0269	0.0034	0.0333	0.1791	0.0222	0.1832	0.0154
0.202	0.3667	0.0249	0.3665	0.0290	0.0039	0.0358	0.1784	0.0242	0.1832	0.0166
0.218	0.3666	0.0267	0.3664	0.0312	0.0044	0.0383	0.1776	0.0262	0.1831	0.0178
0.240	0.3664	0.0295	0.3661	0.0345	0.0053	0.0418	0.1764	0.0293	0.1829	0.0197
0.263	0.3662	0.0323	0.3658	0.0377	0.0062	0.0453	0.1750	0.0325	0.1827	0.0216
0.278	0.3660	0.0342	0.3656	0.0399	0.0068	0.0475	0.1741	0.0347	0.1826	0.0228
0.300	0.3657	0.0370	0.3653	0.0432	0.0077	0.0508	0.1727	0.0381	0.1824	0.0247
0.337	0.3653	0.0417	0.3647	0.0487	0.0093	0.0560	0.1701	0.0441	0.1821	0.0278
0.413	0.3642	0.0512	0.3633	0.0598	0.0124	0.0654	0.1648	0.0573	0.1813	0.0342
0.487	0.3629	0.0608	0.3617	0.0710	0.0149	0.0734	0.1594	0.0719	0.1803	0.0406
0.600	0.3606	0.0754	0.3589	0.0882	0.0166	0.0833	0.1524	0.0967	0.1786	0.0505
0.788	0.3561	0.1006	0.3534	0.1179	0.0113	0.0973	0.1462	0.1435	0.1753	0.0676
1.013	0.3498	0.1324	0.3457	0.1556	-0.0099	0.1195	0.1516	0.2010	0.1707	0.0894
1.875	0.3267	0.2703	0.3187	0.3197	-0.0537	0.3485	0.1904	0.3234	0.1553	0.1846
3.750	0.3225	0.5850	0.3205	0.6880	0.0550	0.6149	0.1316	0.6923	0.1593	0.3955
7.500	0.3172	1.1897	0.3162	1.3922	-0.0082	1.2236	0.1604	1.3762	0.1576	0.7974

TABLE C86. M = 5/2, τ = 0.5

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.2778	0.0009	0.2778	0.0011	0	0.0012	0.1389	0.0010	0.1389	0.0006
0.017	0.2778	0.0019	0.2778	0.0022	0	0.0023	0.1389	0.0020	0.1389	0.0013
0.025	0.2778	0.0028	0.2778	0.0033	0	0.0035	0.1389	0.0030	0.1389	0.0019
0.050	0.2778	0.0057	0.2778	0.0066	0.0001	0.0070	0.1388	0.0060	0.1389	0.0038
0.059	0.2778	0.0066	0.2778	0.0077	0.0002	0.0082	0.1387	0.0069	0.1389	0.0044
0.067	0.2778	0.0076	0.2778	0.0088	0.0002	0.0093	0.1387	0.0079	0.1389	0.0050
0.076	0.2778	0.0085	0.2778	0.0099	0.0002	0.0105	0.1386	0.0089	0.1389	0.0057
0.084	0.2778	0.0094	0.2778	0.0110	0.0003	0.0116	0.1386	0.0099	0.1389	0.0063
0.092	0.2778	0.0104	0.2777	0.0121	0.0004	0.0128	0.1385	0.0109	0.1389	0.0069
0.101	0.2778	0.0113	0.2778	0.0132	0.0004	0.0139	0.1384	0.0120	0.1389	0.0076
0.109	0.2778	0.0123	0.2777	0.0143	0.0005	0.0151	0.1383	0.0130	0.1389	0.0082
0.118	0.2777	0.0132	0.2777	0.0154	0.0006	0.0162	0.1382	0.0140	0.1389	0.0088
0.126	0.2777	0.0142	0.2777	0.0165	0.0007	0.0174	0.1381	0.0150	0.1388	0.0095
0.134	0.2777	0.0151	0.2777	0.0176	0.0008	0.0185	0.1380	0.0160	0.1388	0.0101
0.143	0.2777	0.0161	0.2777	0.0187	0.0009	0.0196	0.1379	0.0170	0.1388	0.0107
0.151	0.2777	0.0170	0.2776	0.0198	0.0010	0.0208	0.1378	0.0180	0.1388	0.0113
0.160	0.2777	0.0180	0.2776	0.0210	0.0011	0.0219	0.1376	0.0191	0.1388	0.0120
0.176	0.2776	0.0199	0.2776	0.0232	0.0013	0.0241	0.1374	0.0211	0.1388	0.0132
0.193	0.2776	0.0217	0.2775	0.0254	0.0016	0.0264	0.1371	0.0232	0.1387	0.0145
0.202	0.2776	0.0227	0.2775	0.0265	0.0017	0.0275	0.1369	0.0243	0.1387	0.0151
0.218	0.2775	0.0246	0.2774	0.0287	0.0020	0.0297	0.1366	0.0264	0.1387	0.0164
0.244	0.2774	0.0274	0.2773	0.0320	0.0024	0.0329	0.1360	0.0296	0.1386	0.0183
0.260	0.2774	0.0321	0.2773	0.0356	0.0027	0.0350	0.1356	0.0317	0.1386	0.0196
0.286	0.2773	0.0322	0.2771	0.0375	0.0032	0.0382	0.1350	0.0350	0.1385	0.0215
0.302	0.2772	0.0341	0.2771	0.0398	0.0035	0.0403	0.1346	0.0372	0.1384	0.0227
0.328	0.2771	0.0369	0.2769	0.0431	0.0040	0.0433	0.1339	0.0406	0.1384	0.0246
0.361	0.2770	0.0407	0.2767	0.0475	0.0047	0.0473	0.1330	0.0452	0.1383	0.0272
0.403	0.2767	0.0455	0.2765	0.0531	0.0056	0.0521	0.1318	0.0511	0.1381	0.0304
0.437	0.2765	0.0493	0.2762	0.0576	0.0063	0.0558	0.1308	0.0559	0.1380	0.0329
0.504	0.2761	0.0570	0.2757	0.0665	0.0075	0.0628	0.1287	0.0660	0.1376	0.0380
0.588	0.2755	0.0666	0.2750	0.0778	0.0086	0.0709	0.1263	0.0792	0.1372	0.0445
0.798	0.2737	0.0910	0.2727	0.1063	0.0080	0.0891	0.1220	0.1151	0.1359	0.0608
1.008	0.2716	0.1158	0.2701	0.1354	0.0009	0.1072	0.1220	0.1531	0.1343	0.0775
2.016	0.2599	0.2420	0.2562	0.2841	-0.0416	0.2874	0.1478	0.2867	0.1262	0.1631
2.100	0.2591	0.2530	0.2553	0.2971	-0.0368	0.3061	0.1461	0.2947	0.1258	0.1706
4.200	0.2550	0.5295	0.2536	0.6208	0.0177	0.5157	0.1205	0.6367	0.1261	0.3561
8.400	0.2550	1.0688	0.2552	1.2490	0.0267	1.0766	0.1142	1.2449	0.1277	0.7146

TABLE C87. M = 1, τ = 0.6

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	3.9896	-3.8794	2.8103	-2.6978	0.0101	0.0106	1.0878	-0.9842	1.6134	-1.5340
0.015	3.2799	-3.1450	2.3174	-2.1798	0.0122	0.0131	0.9093	-0.7823	1.3335	-1.2363
0.020	2.8598	-2.7040	2.0267	-1.8677	0.0140	0.0153	0.8056	-0.6591	1.1687	-1.0565
0.025	2.5753	-2.4011	1.8304	-1.6527	0.0154	0.0174	0.7369	-0.5730	1.0578	-0.9323
0.030	2.3666	-2.1757	1.6869	-1.4923	0.0167	0.0192	0.6875	-0.5080	0.9769	-0.8396
0.035	2.2056	-1.9994	1.5766	-1.3663	0.0178	0.0210	0.6502	-0.4563	0.9149	-0.7665
0.040	2.0767	-1.8564	1.4886	-1.2639	0.0188	0.0227	0.6210	-0.4137	0.8656	-0.7070
0.045	1.9707	-1.7371	1.4165	-1.1782	0.0197	0.0243	0.6052	-0.3776	0.8253	-0.6571
0.050	1.8817	-1.6355	1.3562	-1.1049	0.0205	0.0259	0.5783	-0.3465	0.7917	-0.6143
0.060	1.7399	-1.4701	1.2605	-0.9852	0.0218	0.0290	0.5486	-0.2948	0.7385	-0.5442
0.070	1.6313	-1.3397	1.1878	-0.8904	0.0230	0.0320	0.5271	-0.2529	0.6984	-0.4885
0.080	1.5448	-1.2332	1.1303	-0.8125	0.0239	0.0349	0.5109	-0.2178	0.6669	-0.4425
0.090	1.4744	-1.1438	1.0838	-0.7467	0.0246	0.0378	0.4985	-0.1875	0.6415	-0.4035
0.100	1.4156	-1.0672	1.0454	-0.6900	0.0252	0.0407	0.4887	-0.1610	0.6207	-0.3698
0.120	1.3229	-0.9412	0.9854	-0.5961	0.0260	0.0463	0.4749	-0.1160	0.5885	-0.3137
0.140	1.2530	-0.8407	0.9409	-0.5204	0.0264	0.0520	0.4662	-0.0784	0.5650	-0.2682
0.160	1.1983	-0.7575	0.9067	-0.4571	0.0264	0.0576	0.4607	-0.0462	0.5472	-0.2298
0.180	1.1543	-0.6868	0.8797	-0.4028	0.0261	0.0633	0.4573	-0.0177	0.5334	-0.1968
0.200	1.1182	-0.6253	0.8579	-0.3552	0.0255	0.0691	0.4555	0.0079	0.5225	-0.1676
0.240	1.0626	-0.5226	0.8254	-0.2746	0.0237	0.0809	0.4550	0.0526	0.5066	-0.1178
0.280	1.0220	-0.4386	0.8027	-0.2075	0.0211	0.0932	0.4569	0.0913	0.4961	-0.0760
0.320	0.9912	-0.3674	0.7863	-0.1499	0.0178	0.1058	0.4602	0.1257	0.4889	-0.0397
0.360	0.9673	-0.3055	0.7742	-0.0990	0.0140	0.1188	0.4644	0.1570	0.4840	-0.0074
0.400	0.9483	-0.2505	0.7652	-0.0532	0.0098	0.1324	0.4690	0.1858	0.4807	0.0219
0.600	0.8945	-0.0382	0.7444	0.1296	-0.0158	0.2070	0.4930	0.3077	0.4761	0.1411
0.800	0.8716	0.1198	0.7401	0.2723	-0.0457	0.2923	0.5137	0.4097	0.4787	0.2364
1.000	0.8603	0.2519	0.7405	0.3961	-0.0755	0.3881	0.5289	0.5018	0.4824	0.3206
1.500	0.8472	0.5306	0.7422	0.6692	-0.1352	0.6632	0.5438	0.7149	0.4881	0.5100
2.000	0.8374	0.7785	0.7377	0.9227	-0.1562	0.9690	0.5277	0.9256	0.4865	0.6891
2.500	0.8256	1.0157	0.7271	1.1720	-0.1311	1.2783	0.4918	1.1483	0.4794	0.8672
3.000	0.8120	1.2501	0.7128	1.4225	-0.0660	1.5671	0.4445	1.3905	0.4692	1.0475
3.500	0.7976	1.4846	0.6971	1.6764	0.0232	1.8184	0.3962	1.6544	0.4578	1.2310

TABLE C88. M = 10/9, τ = 0.6

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	1.5764	-0.0293	1.4185	-0.0323	0.0006	0.0090	0.9429	-0.0513	0.9456	-0.0235
0.015	1.5748	-0.0468	1.4165	-0.0515	0.0015	0.0142	0.9372	-0.0816	0.9441	-0.0375
0.025	1.5706	-0.0759	1.4115	-0.0834	0.0039	0.0227	0.9223	-0.1308	0.9403	-0.0606
0.034	1.5644	-0.1045	1.4041	-0.1148	0.0073	0.0307	0.9007	-0.1774	0.9348	-0.0834
0.049	1.5506	-0.1492	1.3875	-0.1635	0.0146	0.0419	0.8534	-0.2444	0.9223	-0.1188
0.053	1.5463	-0.1601	1.3824	-0.1754	0.0167	0.0443	0.8394	-0.2594	0.9186	-0.1274
0.057	1.5418	-0.1708	1.3770	-0.1871	0.0189	0.0466	0.8245	-0.2735	0.9145	-0.1358
0.066	1.5292	-0.1971	1.3620	-0.2156	0.0248	0.0515	0.7842	-0.3052	0.9033	-0.1564
0.076	1.5150	-0.2225	1.3450	-0.2428	0.0311	0.0553	0.7402	-0.3310	0.8905	-0.1761
0.080	1.5090	-0.2324	1.3378	-0.2534	0.0336	0.0565	0.7217	-0.3396	0.8851	-0.1837
0.085	1.4992	-0.2468	1.3261	-0.2687	0.0374	0.0579	0.6931	-0.3505	0.8763	-0.1947
0.095	1.4819	-0.2699	1.3054	-0.2931	0.0436	0.0593	0.6440	-0.3635	0.8609	-0.2122
0.104	1.4628	-0.2916	1.2829	-0.3159	0.0496	0.0595	0.5938	-0.3697	0.8440	-0.2284
0.123	1.4211	-0.3309	1.2334	-0.3561	0.0597	0.0569	0.4940	-0.3622	0.8071	-0.2568
0.133	1.3985	-0.3482	1.2067	-0.3733	0.0635	0.0542	0.4463	-0.3488	0.7872	-0.2689
0.142	1.3749	-0.3640	1.1789	-0.3886	0.0663	0.0508	0.4011	-0.3295	0.7665	-0.2794
0.160	1.3303	-0.3880	1.1267	-0.4107	0.0684	0.0436	0.3288	-0.2817	0.7276	-0.2943
0.180	1.2732	-0.4097	1.0602	-0.4284	0.0657	0.0343	0.2601	-0.2053	0.6783	-0.3054
0.200	1.2199	-0.4220	0.9988	-0.4352	0.0582	0.0273	0.2199	-0.1253	0.6328	-0.3086
0.209	1.1931	-0.4255	0.9681	-0.4354	0.0529	0.0247	0.2080	-0.0837	0.6102	-0.3078
0.238	1.1136	-0.4257	0.8782	-0.4236	0.0324	0.0230	0.2043	0.0379	0.5441	-0.2959
0.266	1.0380	-0.4113	0.7947	-0.3946	0.0091	0.0318	0.2409	0.1402	0.4833	-0.2712
0.304	0.9481	-0.3729	0.6991	-0.3338	-0.0167	0.0591	0.3260	0.2257	0.4147	-0.2220
0.342	0.8749	-0.3179	0.6266	-0.2551	-0.0276	0.0968	0.4144	0.2488	0.3641	-0.1597
0.399	0.8015	-0.2189	0.5657	-0.1228	-0.0132	0.1466	0.4859	0.2088	0.3253	-0.0571
0.475	0.7669	-0.0893	0.5638	0.0377	0.0206	0.1634	0.4488	0.1696	0.3337	0.0645
0.570	0.7847	0.0235	0.6279	0.1591	-0.0013	0.1560	0.3955	0.2631	0.3925	0.1521
0.665	0.8069	0.0761	0.6800	0.1965	-0.0419	0.2122	0.4530	0.3387	0.4379	0.1737
0.760	0.7976	0.1062	0.6771	0.2096	-0.0257	0.2665	0.4674	0.3355	0.4378	0.1777
0.855	0.7667	0.1522	0.6412	0.2520	-0.0319	0.2727	0.4345	0.3875	0.4112	0.2063
0.950	0.7444	0.2205	0.6184	0.3288	-0.0781	0.3168	0.4622	0.4591	0.3951	0.2626
1.140	0.7594	0.3427	0.6562	0.4596	-0.0694	0.4183	0.4679	0.4997	0.4283	0.3568
1.900	0.7429	0.6712	0.6523	0.7867	-0.1443	0.8184	0.4767	0.8081	0.4294	0.5854

TABLE C89. M = 1.25, τ = 0.6

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.011	1.0184	-0.0051	0.7299	-0.0056	0.0002	0.0066	0.6105	-0.0115	0.4243	-0.0041
0.025	1.0177	-0.0119	0.9157	-0.0131	0.0011	0.0153	0.6077	-0.0266	0.6104	-0.0096
0.050	1.0151	-0.0237	0.9126	-0.0261	0.0043	0.0300	0.5976	-0.0519	0.6081	-0.0189
0.054	1.0145	-0.0254	0.9119	-0.0279	0.0049	0.0321	0.5956	-0.0554	0.6075	-0.0203
0.058	1.0141	-0.0270	0.9113	-0.0297	0.0056	0.0341	0.5935	-0.0587	0.6071	-0.0216
0.061	1.0135	-0.0287	0.9106	-0.0315	0.0063	0.0361	0.5913	-0.0621	0.6065	-0.0229
0.065	1.0129	-0.0303	0.9099	-0.0333	0.0070	0.0380	0.5889	-0.0653	0.6060	-0.0242
0.072	1.0115	-0.0336	0.9082	-0.0368	0.0086	0.0418	0.5839	-0.0716	0.6048	-0.0267
0.079	1.0101	-0.0368	0.9065	-0.0403	0.0103	0.0455	0.5784	-0.0776	0.6035	-0.0293
0.086	1.0085	-0.0399	0.9046	-0.0437	0.0122	0.0491	0.5723	-0.0832	0.6020	-0.0318
0.094	1.0066	-0.0430	0.9024	-0.0471	0.0141	0.0525	0.5659	-0.0886	0.6004	-0.0342
0.101	1.0048	-0.0461	0.9002	-0.0504	0.0162	0.0558	0.5591	-0.0935	0.5988	-0.0366
0.108	1.0028	-0.0491	0.8978	-0.0537	0.0184	0.0589	0.5518	-0.0981	0.5970	-0.0389
0.119	0.9996	-0.0535	0.8939	-0.0584	0.0218	0.0632	0.5403	-0.1041	0.5940	-0.0423
0.126	0.9972	-0.0564	0.8911	-0.0614	0.0241	0.0659	0.5322	-0.1076	0.5920	-0.0445
0.133	0.9948	-0.0592	0.8882	-0.0644	0.0265	0.0684	0.5238	-0.1106	0.5898	-0.0467
0.140	0.9922	-0.0619	0.8851	-0.0673	0.0290	0.0707	0.5151	-0.1132	0.5875	-0.0487
0.148	0.9895	-0.0645	0.8819	-0.0701	0.0314	0.0728	0.5062	-0.1153	0.5851	-0.0507
0.158	0.9853	-0.0683	0.8768	-0.0741	0.0352	0.0757	0.4924	-0.1174	0.5813	-0.0536
0.169	0.9807	-0.0720	0.8714	-0.0779	0.0389	0.0781	0.4782	-0.1184	0.5772	-0.0563
0.176	0.9776	-0.0743	0.8677	-0.0802	0.0413	0.0794	0.4686	-0.1185	0.5744	-0.0579
0.191	0.9710	-0.0787	0.8598	-0.0847	0.0461	0.0816	0.4490	-0.1169	0.5685	-0.0611
0.198	0.9675	-0.0807	0.8557	-0.0867	0.0484	0.0824	0.4392	-0.1153	0.5655	-0.0625
0.223	0.9546	-0.0871	0.8404	-0.0929	0.0557	0.0837	0.4048	-0.1056	0.5540	-0.0667
0.241	0.9448	-0.0909	0.8288	-0.0963	0.0600	0.0835	0.3809	-0.0948	0.5453	-0.0690
0.266	0.9301	-0.0950	0.8114	-0.0996	0.0645	0.0818	0.3492	-0.0745	0.5324	-0.0711
0.281	0.9213	-0.0968	0.8011	-0.1008	0.0661	0.0802	0.3325	-0.0604	0.5247	-0.0717
0.299	0.9101	-0.0982	0.7879	-0.1013	0.0670	0.0777	0.3132	-0.0405	0.5149	-0.0718
0.331	0.8890	-0.0989	0.7633	-0.0999	0.0653	0.0728	0.2842	0.0006	0.4966	-0.0702
0.353	0.8745	-0.0980	0.7464	-0.0972	0.0617	0.0695	0.2695	0.0310	0.4841	-0.0678
0.360	0.8696	-0.0974	0.7408	-0.0960	0.0602	0.0686	0.2655	0.0416	0.4799	-0.0668
0.396	0.8450	-0.0927	0.7124	-0.0877	0.0492	0.0650	0.2523	0.0957	0.4589	-0.0599
0.432	0.8204	-0.0848	0.6843	-0.0755	0.0339	0.0646	0.2505	0.1501	0.4382	-0.0501
0.468	0.7960	-0.0738	0.6569	-0.0596	0.0154	0.0688	0.2592	0.2016	0.4181	-0.0375
0.504	0.7726	-0.0599	0.6310	-0.0403	-0.0046	0.0781	0.2768	0.2476	0.3992	-0.0223
0.594	0.7198	-0.0142	0.5744	0.0208	-0.0505	0.1242	0.3437	0.3271	0.3585	0.0250
0.792	0.6478	0.1207	0.5100	0.1905	-0.0650	0.2678	0.4467	0.3468	0.3156	0.1543
0.900	0.6362	0.1974	0.5100	0.2816	-0.0388	0.3120	0.4329	0.3474	0.3191	0.2224
1.800	0.6452	0.5723	0.5610	0.6645	-0.1086	0.6635	0.4067	0.6933	0.3675	0.4928
3.600	0.6268	1.2549	0.5523	1.4028	0.0858	1.4415	0.2953	1.3978	0.3642	1.0264

TABLE C90. M = 10/7, τ = 0.6

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	0.7488	0.0002	0.6739	0.0002	0.0001	0.0046	0.4491	-0.0020	0.4493	0.0001
0.015	0.7487	0.0003	0.6738	0.0003	0.0002	0.0069	0.4489	-0.0030	0.4492	0.0002
0.025	0.7486	0.0005	0.6737	0.0005	0.0004	0.0114	0.4483	-0.0050	0.4491	0.0004
0.041	0.7483	0.0007	0.6732	0.0008	0.0011	0.0182	0.4469	-0.0078	0.4488	0.0006
0.051	0.7479	0.0009	0.6729	0.0010	0.0018	0.0227	0.4455	-0.0097	0.4485	0.0008
0.056	0.7478	0.0010	0.6727	0.0012	0.0021	0.0249	0.4448	-0.0106	0.4484	0.0008
0.061	0.7476	0.0011	0.6724	0.0013	0.0025	0.0271	0.4439	-0.0114	0.4482	0.0009
0.066	0.7473	0.0013	0.6722	0.0014	0.0030	0.0293	0.4430	-0.0123	0.4480	0.0010
0.071	0.7471	0.0014	0.6719	0.0015	0.0034	0.0315	0.4420	-0.0131	0.4477	0.0011
0.076	0.7468	0.0015	0.6716	0.0016	0.0039	0.0336	0.4409	-0.0138	0.4475	0.0012
0.082	0.7466	0.0016	0.6713	0.0018	0.0045	0.0358	0.4398	-0.0146	0.4473	0.0013
0.087	0.7463	0.0017	0.6709	0.0019	0.0050	0.0379	0.4386	-0.0153	0.4470	0.0014
0.092	0.7460	0.0018	0.6706	0.0021	0.0056	0.0400	0.4373	-0.0160	0.4468	0.0015
0.102	0.7454	0.0021	0.6698	0.0024	0.0069	0.0441	0.4346	-0.0173	0.4462	0.0017
0.112	0.7446	0.0024	0.6689	0.0027	0.0083	0.0481	0.4316	-0.0184	0.4455	0.0020
0.122	0.7439	0.0027	0.6680	0.0030	0.0097	0.0520	0.4284	-0.0193	0.4448	0.0022
0.133	0.7430	0.0030	0.6669	0.0034	0.0113	0.0558	0.4249	-0.0200	0.4440	0.0025
0.143	0.7421	0.0034	0.6658	0.0038	0.0130	0.0595	0.4212	-0.0205	0.4432	0.0028
0.153	0.7411	0.0037	0.6647	0.0043	0.0147	0.0630	0.4173	-0.0209	0.4423	0.0032
0.158	0.7406	0.0039	0.6641	0.0045	0.0156	0.0648	0.4153	-0.0209	0.4419	0.0033
0.168	0.7395	0.0044	0.6628	0.0050	0.0174	0.0681	0.4111	-0.0209	0.4409	0.0037
0.179	0.7384	0.0048	0.6614	0.0055	0.0193	0.0713	0.4067	-0.0207	0.4399	0.0041
0.189	0.7371	0.0053	0.6600	0.0061	0.0212	0.0743	0.4022	-0.0202	0.4388	0.0045
0.199	0.7359	0.0058	0.6584	0.0067	0.0232	0.0772	0.3975	-0.0194	0.4377	0.0050
0.209	0.7346	0.0063	0.6569	0.0074	0.0252	0.0800	0.3927	-0.0184	0.4365	0.0055
0.224	0.7325	0.0072	0.6544	0.0084	0.0282	0.0838	0.3852	-0.0163	0.4346	0.0063
0.240	0.7302	0.0082	0.6517	0.0096	0.0312	0.0873	0.3775	-0.0136	0.4326	0.0072
0.270	0.7254	0.0104	0.6460	0.0123	0.0371	0.0932	0.3618	-0.0063	0.4284	0.0092
0.301	0.7202	0.0130	0.6397	0.0155	0.0424	0.0976	0.3458	0.0036	0.4237	0.0116
0.342	0.7125	0.0172	0.6306	0.0207	0.0484	0.1015	0.3249	0.0209	0.4169	0.0155
0.408	0.6986	0.0258	0.6142	0.0313	0.0537	0.1039	0.2943	0.0581	0.4046	0.0235
0.510	0.6749	0.0439	0.5865	0.0535	0.0478	0.1032	0.2629	0.1322	0.3840	0.0404
0.612	0.6498	0.0681	0.5576	0.0834	0.0235	0.1067	0.2565	0.2149	0.3626	0.0630
0.791	0.6076	0.1249	0.5106	0.1530	-0.0450	0.1507	0.3002	0.3383	0.3283	0.1155
0.995	0.5702	0.2073	0.4724	0.2525	-0.1028	0.2663	0.3745	0.4040	0.3014	0.1903
1.275	0.5469	0.3328	0.4570	0.3996	-0.0812	0.4278	0.3922	0.4282	0.2929	0.2998
2.550	0.5544	0.7622	0.4889	0.8552	-0.0210	0.9037	0.3092	0.8390	0.3226	0.6265
5.100	0.5298	1.6089	0.4673	1.7864	0.1007	1.5790	0.2794	1.8408	0.3083	1.3037

TABLE C91. M = 5/3, τ = 0.6

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.013	0.5729	0.0019	0.5156	0.0021	0.0001	0.0044	0.3437	0.0009	0.3438	0.0015
0.019	0.5729	0.0029	0.5156	0.0032	0.0001	0.0066	0.3436	0.0013	0.3437	0.0023
0.026	0.5729	0.0039	0.5156	0.0042	0.0002	0.0088	0.3434	0.0018	0.3437	0.0031
0.051	0.5727	0.0077	0.5153	0.0085	0.0008	0.0175	0.3425	0.0036	0.3435	0.0062
0.058	0.5726	0.0087	0.5153	0.0095	0.0010	0.0197	0.3421	0.0041	0.3435	0.0069
0.064	0.5725	0.0096	0.5152	0.0106	0.0013	0.0218	0.3417	0.0046	0.3434	0.0077
0.070	0.5724	0.0106	0.5150	0.0117	0.0015	0.0240	0.3413	0.0051	0.3433	0.0085
0.077	0.5723	0.0116	0.5149	0.0127	0.0018	0.0261	0.3409	0.0056	0.3432	0.0093
0.083	0.5723	0.0126	0.5148	0.0138	0.0021	0.0283	0.3404	0.0061	0.3431	0.0100
0.090	0.5721	0.0135	0.5146	0.0149	0.0024	0.0304	0.3398	0.0067	0.3430	0.0108
0.096	0.5720	0.0145	0.5145	0.0160	0.0028	0.0325	0.3392	0.0072	0.3429	0.0116
0.102	0.5719	0.0155	0.5144	0.0170	0.0032	0.0346	0.3386	0.0078	0.3428	0.0124
0.109	0.5717	0.0165	0.5142	0.0181	0.0036	0.0366	0.3380	0.0084	0.3427	0.0132
0.115	0.5716	0.0174	0.5140	0.0192	0.0040	0.0387	0.3373	0.0090	0.3425	0.0140
0.122	0.5714	0.0184	0.5138	0.0203	0.0044	0.0407	0.3366	0.0097	0.3424	0.0147
0.128	0.5713	0.0194	0.5136	0.0214	0.0049	0.0428	0.3358	0.0103	0.3422	0.0155
0.134	0.5711	0.0204	0.5134	0.0224	0.0053	0.0448	0.3350	0.0110	0.3421	0.0163
0.141	0.5709	0.0214	0.5132	0.0235	0.0058	0.0468	0.3342	0.0117	0.3419	0.0171
0.154	0.5705	0.0234	0.5127	0.0257	0.0069	0.0507	0.3325	0.0131	0.3416	0.0187
0.160	0.5703	0.0243	0.5125	0.0268	0.0074	0.0526	0.3316	0.0139	0.3414	0.0195
0.173	0.5699	0.0263	0.5120	0.0290	0.0086	0.0564	0.3296	0.0155	0.3410	0.0211
0.186	0.5694	0.0284	0.5114	0.0313	0.0098	0.0601	0.3276	0.0173	0.3406	0.0228
0.198	0.5689	0.0304	0.5108	0.0335	0.0110	0.0638	0.3254	0.0191	0.3402	0.0244
0.218	0.5681	0.0334	0.5099	0.0369	0.0130	0.0690	0.3220	0.0221	0.3394	0.0269
0.243	0.5670	0.0376	0.5085	0.0415	0.0157	0.0756	0.3171	0.0266	0.3384	0.0302
0.269	0.5657	0.0417	0.5069	0.0461	0.0186	0.0818	0.3118	0.0316	0.3372	0.0336
0.301	0.5638	0.0471	0.5048	0.0521	0.0222	0.0889	0.3049	0.0388	0.3356	0.0380
0.352	0.5606	0.0559	0.5009	0.0619	0.0277	0.0987	0.2935	0.0523	0.3327	0.0452
0.416	0.5561	0.0673	0.4955	0.0748	0.0335	0.1085	0.2791	0.0728	0.3287	0.0546
0.512	0.5482	0.0857	0.4862	0.0956	0.0383	0.1187	0.2598	0.1106	0.3217	0.0699
0.608	0.5394	0.1056	0.4758	0.1183	0.0361	0.1257	0.2459	0.1554	0.3140	0.0867
0.800	0.5202	0.1505	0.4537	0.1700	0.0074	0.1436	0.2424	0.2536	0.2976	0.1249
0.992	0.5013	0.2020	0.4324	0.2297	-0.0439	0.1876	0.2696	0.3407	0.2820	0.1691
1.600	0.4650	0.3936	0.3982	0.4502	-0.0935	0.4869	0.3361	0.4564	0.2587	0.3321
3.200	0.4673	0.8467	0.4148	0.9406	0.0648	0.9703	0.2309	0.9218	0.2746	0.6866
6.400	0.4529	1.7527	0.4033	1.9391	-0.0708	1.7032	0.3151	1.9618	0.2674	1.4133

TABLE C92. M = 2, τ = 0.6

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.4411	0.0013	0.3970	0.0015	0	0.0020	0.2646	0.0011	0.2646	0.0011
0.015	0.4411	0.0026	0.3969	0.0029	0	0.0040	0.2646	0.0023	0.2646	0.0021
0.023	0.4411	0.0040	0.3969	0.0044	0.0001	0.0060	0.2645	0.0034	0.2646	0.0032
0.037	0.4410	0.0066	0.3969	0.0073	0.0002	0.0099	0.2644	0.0056	0.2646	0.0053
0.052	0.4409	0.0093	0.3968	0.0102	0.0004	0.0139	0.2641	0.0079	0.2645	0.0074
0.060	0.4409	0.0106	0.3968	0.0116	0.0005	0.0158	0.2640	0.0090	0.2645	0.0085
0.067	0.4409	0.0119	0.3968	0.0131	0.0006	0.0178	0.2638	0.0102	0.2645	0.0095
0.075	0.4409	0.0132	0.3967	0.0146	0.0008	0.0198	0.2636	0.0113	0.2645	0.0106
0.083	0.4408	0.0146	0.3967	0.0160	0.0009	0.0217	0.2634	0.0125	0.2644	0.0117
0.090	0.4408	0.0159	0.3966	0.0175	0.0011	0.0236	0.2631	0.0137	0.2644	0.0127
0.098	0.4408	0.0172	0.3966	0.0189	0.0013	0.0256	0.2629	0.0148	0.2644	0.0138
0.105	0.4407	0.0185	0.3965	0.0204	0.0015	0.0275	0.2626	0.0160	0.2643	0.0148
0.112	0.4406	0.0199	0.3964	0.0219	0.0017	0.0294	0.2623	0.0172	0.2642	0.0159
0.128	0.4405	0.0225	0.3963	0.0248	0.0022	0.0333	0.2617	0.0196	0.2641	0.0180
0.135	0.4404	0.0239	0.3962	0.0263	0.0025	0.0352	0.2613	0.0208	0.2641	0.0191
0.143	0.4404	0.0252	0.3961	0.0277	0.0028	0.0371	0.2609	0.0220	0.2640	0.0202
0.150	0.4403	0.0265	0.3960	0.0292	0.0031	0.0389	0.2605	0.0233	0.2639	0.0212
0.158	0.4402	0.0279	0.3959	0.0307	0.0034	0.0408	0.2601	0 0245	0.2639	0.0223
0.173	0.4400	0.0305	0.3957	0.0336	0.0040	0.0445	0.2593	0.0270	0.2637	0.0244
0.188	0.4398	0.0332	0.3955	0.0365	0.0047	0.0481	0.2583	0.0296	0.2635	0.0266
0.202	0.4396	0.0359	0.3952	0.0395	0.0054	0.0517	0.2573	0.0322	0.2633	0.0287
0.218	0.4394	0.0386	0.3950	0.0425	0.0061	0.0553	0.2563	0.0349	0.2632	0.0309
0.240	0.4390	0.0426	0.3945	0.0469	0.0073	0.0604	0.2546	0.0391	0.2628	0.0341
0.263	0.4387	0.0466	0.3941	0.0514	0.0086	0.0655	0.2528	0.0434	0.2625	0.0374
0.278	0.4384	0.0494	0.3938	0.0544	0.0095	0.0688	0.2515	0.0463	0.2622	0.0395
0.300	0.4380	0.0534	0.3932	0.0589	0.0108	0.0736	0.2495	0.0509	0.2618	0.0428
0.337	0.4371	0.0603	0.3923	0.0664	0.0130	0.0812	0.2460	0.0589	0.2611	0.0483
0.413	0.4353	0.0741	0.3901	0.0817	0.0174	0.0951	0.2386	0.0764	0.2595	0.0595
0.487	0.4331	0.0881	0.3875	0.0972	0.0212	0.1071	0.2312	0.0960	0.2575	0.0708
0.600	0.4294	0.1097	0.3830	0.1212	0.0242	0.1221	0.2211	0.1293	0.2542	0.0883
0.788	0.4222	0.1472	0.3746	0.1632	0.0186	0.1431	0.2116	0.1922	0.2479	0.1191
1.013	0.4126	0.1952	0.3635	0.2171	-0.0082	0.1742	0.2170	0.2707	0.2397	0.1586
1.875	0.3854	0.4023	0.3356	0.4510	-0.0806	0.4840	0.2733	0.4465	0.2200	0.3303
3.750	0.3849	0.8426	0.3433	0.9325	0.0742	0.8966	0.1911	0.9323	0.2278	0.6797
7.500	0.3810	1.7161	0.3421	1.8929	-0.0090	1.7442	0.2307	1.8763	0.2278	1.3781

TABLE C93. M = 5/2, τ = 0.6

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.3334	0.0014	0.3001	0.0015	0	0.0017	0.2000	0.0013	0.2000	0.0011
0.017	0.3334	0.0027	0.3001	0.0030	0	0.0034	0.2000	0.0027	0.2000	0.0022
0.025	0.3334	0.0041	0.3001	0.0045	0	0.0050	0.2000	0.0040	0.2000	0.0033
0.050	0.3334	0.0082	0.3000	0.0090	0.0002	0.0101	0.1999	0.0080	0.2000	0.0065
0.059	0.3334	0.0095	0.3000	0.0105	0.0002	0.0117	0.1998	0.0094	0.2000	0.0076
0.067	0.3334	0.0109	0.3000	0.0120	0.0003	0.0134	0.1997	0.0107	0.2000	0.0087
0.076	0.3333	0.0122	0.3000	0.0135	0.0003	0.0151	0.1996	0.0121	0.2000	0.0098
0.084	0.3333	0.0136	0.3000	0.0150	0.0004	0.0167	0.1995	0.0134	0.2000	0.0109
0.092	0.3333	0.0150	0.2999	0.0165	0.0005	0.0184	0.1994	0.0148	0.1999	0.0120
0.101	0.3333	0.0163	0.2999	0.0180	0.0006	0.0201	0.1993	0.0161	0.1999	0.0131
0.109	0.3333	0.0177	0.2999	0.0195	0.0007	0.0217	0.1992	0.0175	0.1999	0.0142
0.118	0.3332	0.0191	0.2999	0.0210	0.0008	0.0234	0.1991	0.0188	0.1999	0.0152
0.126	0.3332	0.0204	0.2998	0.0225	0.0009	0.0250	0.1990	0.0202	0.1999	0.0163
0.134	0.3332	0.0218	0.2998	0.0240	0.0011	0.0267	0.1988	0.0216	0.1999	0.0174
0.143	0.3332	0.0231	0.2998	0.0255	0.0012	0.0283	0.1986	0.0229	0.1998	0.0185
0.151	0.3331	0.0245	0.2997	0.0270	0.0014	0.0299	0.1985	0.0243	0.1998	0.0196
0.160	0.3331	0.0259	0.2997	0.0285	0.0015	0.0316	0.1983	0.0257	0.1998	0.0207
0.176	0.3330	0.0286	0.2996	0.0315	0.0018	0.0348	0,1979	0.0285	0.1997	0.0229
0.193	0.3330	0.0313	0.2995	0.0345	0.0022	0.0380	0.1975	0.0313	0.1996	0.0251
0.202	0.3329	0.0327	0.2995	0.0360	0.0023	0.0396	0.1973	0.0327	0.1996	0.0262
0.218	0.3328	0.0354	0.2994	0.0390	0.0027	0.0428	0.1968	0.0355	0.1995	0.0283
0.244	0.3327	0.0395	0.2992	0.0435	0.0033	0.0475	0.1961	0.0398	0.1994	0.0316
0.260	0.3326	0.0423	0.2991	0.0465	0.0038	0.0506	0.1956	0.0428	0.1993	0.0338
0.286	0.3324	0.0464	0.2989	0.0510	0.0044	0.0551	0.1948	0.0472	0.1992	0.0371
0.302	0.3323	0 0491	0.2988	0.0541	0.0049	0.0582	0.1942	0.0502	0.1991	0.0393
0.328	0.3321	0.0532	0.2986	0.0586	0.0056	0.0626	0.1932	0.0547	0.1989	0.0426
0.361	0.3319	0.0587	0.2982	0.0647	0.0066	0.0684	0.1920	0.0609	0.1987	0.0470
0.403	0.3315	0.0656	0.2978	0.0723	0.0078	0.0754	0.1902	0.0688	0.1983	0.0526
0.437	0.3312	0.0712	0.2974	0.0784	0.0088	0.0808	0.1889	0.0754	0.1981	0.0570
0.504	0.3305	0.0823	0.2966	0.0906	0.0106	0.0911	0.1860	0.0889	0.1974	0.0659
0.588	0.3295	0.0963	0.2954	0.1061	0.0123	0.1031	0.1826	0.1067	0.1965	0.0772
0.798	0.3266	0.1317	0.2919	0.1453	0.0123	0.1299	0.1763	0.1552	0.1939	0.1058
1.008	0.3231	0.1681	0.2879	0.1856	0.0036	0.1561	0.1755	0.2067	0.1909	0.1352
2.016	0.3079	0.3543	0.2714	0.3933	-0.0595	0.4023	0.2115	0.3934	0.1790	0.2870
2.100	0.3072	0.3704	0.2707	0.4112	-0.0545	0.4284	0.2099	0.4045	0.1786	0.3001
4.200	0.3061	0.7634	0.2740	0.8431	0.0312	0.7560	0.1700	0.8581	0.1822	0.6141
8.400	0.3064	1.5375	0.2761	1.6929	0.0282	1.5475	0.1698	1.6910	0.1842	1.2317

TABLE C94. M = 1, τ = 0.7

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	4.3191	-4.1803	2.4734	-2.3428	0.0142	0.0148	1.5199	-1.3828	2.0415	-1.9248
0.015	3.5546	-3.3848	2.0459	-1.8861	0.0172	0.0184	1.2689	-1.1010	1.6905	-1.5476
0.020	3.1029	-2.9066	1.7948	-1.6101	0.0196	0.0214	1.1230	-0.9292	1.4845	-1.3195
0.025	2.7971	-2.5775	1.6256	-1.4193	0.0217	0.0242	1.0259	-0.8092	1.3459	-1.1616
0.030	2.5732	-2.3327	1.5027	-1.2766	0.0235	0.0268	0.9562	-0.7188	1.2454	-1.0434
0.035	2.4006	-2.1408	1.4084	-1.1642	0.0250	0.0293	0.9034	-0.6470	1.1683	-0.9501
0.040	2.2627	-1.9850	1.3334	-1.0724	0.0265	0.0317	0.8619	-0.5878	1.1072	-0.8740
0.045	2.1494	-1.8549	1.2723	-0.9954	0.0277	0.0339	0.8286	-0.5379	1.0573	-0.8099
0.050	2.0544	-1.7440	1.2213	-0.9295	0.0289	0.0361	0.8012	-0.4947	1.0159	-0.7551
0.060	1.9031	-1.5630	1.1409	-0.8212	0.0308	0.0404	0.7588	-0.4231	0.9506	-0.6649
0.070	1.7875	-1.4202	1.0802	-0.7349	0.0325	0.0445	0.7279	-0.3653	0.9015	-0.5929
0.080	1.6960	-1.3033	1.0327	-0.6636	0.0338	0.0485	0.7046	-0.3169	0.8631	-0.5333
0.090	1.6213	-1.2048	0.9946	-0.6031	0.0350	0.0525	0.6865	-0.2754	0.8325	-0.4826
0.100	1.5592	-1.1202	0.9633	-0.5506	0.0359	0.0564	0.6723	-0.2389	0.8074	-0.4386
0.120	1.4618	-0.9808	0.9152	-0.4631	0.0371	0.0641	0.6519	-0.1772	0.7691	-0.3650
0.140	1.3887	-0.8691	0.8803	-0.3918	0.0378	0.0718	0.6387	-0.1260	0.7414	-0.3049
0.160	1.3318	-0.7763	0.8539	-0.3317	0.0380	0.0795	0.6301	-0.0820	0.7207	-0.2540
0.180	1.2862	-0.6970	0.8335	-0.2796	0.0378	0.0873	0.6246	-0.0433	0.7049	-0.2099
0.200	1.2491	-0.6279	0.8175	-0.2335	0.0372	0.0952	0.6214	-0.0086	0.6926	-0.1707
0.240	1.1923	-0.5117	0.7945	-0.1546	0.0350	0.1112	0.6193	0.0519	0.6752	-0.1034
0.280	1.1513	-0.4159	0.7793	-0.0879	0.0318	0.1277	0.6208	0.1040	0.6642	-0.0463
0.320	1.1206	-0.3342	0.7692	-0.0298	0.0277	0.1447	0.6245	0.1502	0.6571	0.0037
0.360	1.0970	-0.2627	0.7624	0.0223	0.0229	0.1623	0.6295	0.1920	0.6527	0.0485
0.400	1.0785	-0.1987	0.7579	0.0696	0.0174	0.1804	0.6352	0.2306	0.6500	0.0895
0.600	1.0277	0.0527	0.7520	0.2647	-0.0164	0.2802	0.6666	0.3923	0.6493	0.2595
0.800	1.0072	0.2448	0.7557	0.4238	-0.0559	0.3944	0.6945	0.5259	0.6549	0.3993
1.000	0.9971	0.4091	0.7600	0.5662	-0.0961	0.5220	0.7158	0.6458	0.6603	0.5253
1.500	0.9828	0.7661	0.7627	0.8933	-0.1797	0.8889	0.7392	0.9204	0.6644	0.8167
2.000	0.9681	1.0934	0.7532	1.2087	-0.2155	1.2983	0.7251	1.1884	0.6564	1.0994
2.500	0.9501	1.4128	0.7361	1.5258	-0.1926	1.7165	0.6833	1.4694	0.6411	1.3845
3.000	0.9305	1.7321	0.7162	1.8488	-0.1173	2.1123	0.6254	1.7735	0.6231	1.6756
3.500	0.9115	2.0539	0.6971	2.1778	-0.0083	2.4636	0.5639	2.1045	0.6059	1.9724

TABLE C95. M = 10/9, τ = 0.7

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	1.8388	-0.0399	1.4705	-0.0412	0.0008	0.0122	1.2837	-0.0671	1.2866	-0.0372
0.015	1.8361	-0.0637	1.4675	-0.0658	0.0019	0.0194	1.2765	-0.1069	1.2839	-0.0594
0.025	1.8295	-0.1030	1.4598	-0.1063	0.0050	0.0310	1.2575	-0.1714	1.2769	-0.0960
0.034	1.8197	-0.1417	1.4486	-0.1460	0.0095	0.0420	1.2301	-0.2327	1.2667	-0.1318
0.049	1.7979	-0.2014	1.4236	-0.2069	0.0191	0.0575	1.1698	-0.3214	1.2438	-0.1868
0.053	1.7913	-0.2158	1.4160	-0.2216	0.0219	0.0609	1.1519	-0.3414	1.2369	-0.2000
0.057	1.7842	-0.2300	1.4079	-0.2359	0.0248	0.0641	1.1329	-0.3603	1.2295	-0.2129
0.066	1.7645	-0.2644	1.3854	-0.2704	0.0326	0.0711	1.0815	-0.4029	1.2090	-0.2440
0.076	1.7424	-0.2970	1.3602	-0.3028	0.0409	0.0767	1.0250	-0.4382	1.1859	-0.2731
0.080	1.7329	-0.3096	1.3494	-0.3151	0.0443	0.0786	1.0013	-0.4502	1.1761	-0.2842
0.085	1.7178	-0.3277	1.3322	-0.3328	0.0493	0.0808	0.9646	-0.4656	1.1604	-0.3000
0.095	1.6911	-0.3563	1.3019	-0.3603	0.0577	0.0834	0.9015	-0.4848	1.1327	-0.3246
0.104	1.6622	-0.3825	1.2691	-0.3849	0.0658	0.0844	0.8367	-0.4954	1.1029	-0.3466
0.123	1.5993	-0.4275	1.1984	-0.4252	0.0799	0.0822	0.7072	-0.4915	1.0385	-0.3824
0.133	1.5658	-0.4460	1.1609	-0.4406	0.0855	0.0794	0.6448	-0.4773	1.0043	-0.3960
0.142	1.5311	-0.4618	1.1223	-0.4528	0.0899	0.0756	0.5853	-0.4556	0.9692	-0.4066
0.160	1.4669	-0.4832	1.0513	-0.4663	0.0942	0.0670	0.4888	-0.3995	0.9047	-0.4180
0.180	1.3867	-0.4969	0.9640	-0.4682	0.0927	0.0556	0.3947	-0.3072	0.8254	-0.4186
0.200	1.3145	-0.4978	0.8867	-0.4566	0.0850	0.0465	0.3362	-0.2088	0.7552	-0.4068
0.209	1.2791	-0.4943	0.8494	-0.4462	0.0791	0.0430	0.3171	-0.1570	0.7215	-0.3968
0.238	1.1787	-0.4692	0.7462	-0.3989	0.0554	0.0393	0.2997	-0.0033	0.6284	-0.3520
0.266	1.0904	-0.4255	0.6602	-0.3315	0.0273	0.0480	0.3336	0.1298	0.5512	-0.2890
0.304	0.9972	-0.3465	0.5784	-0.2215	-0.0057	0.0788	0.4275	0.2485	0.4787	-0.1869
0.342	0.9351	-0.2554	0.5363	-0.1033	-0.0222	0.1232	0.5314	0.2924	0.4428	-0.0777
0.399	0.8960	-0.1215	0.5384	0.0578	-0.0109	0.1849	0.6227	0.2644	0.4488	0.0699
0.475	0.9097	0.0110	0.6109	0.1956	0.0236	0.2121	0.5924	0.2311	0.5199	0.1945
0.570	0.9415	0.0887	0.6902	0.2452	-0.0048	0.2135	0.5412	0.3459	0.5961	0.2364
0.665	0.9254	0.1309	0.6835	0.2583	-0.0534	0.2885	0.6157	0.4370	0.5910	0.2452
0.760	0.8832	0.2021	0.6371	0.3237	-0.0338	0.3612	0.6355	0.4338	0.5488	0.3035
0.855	0.8658	0.2997	0.6274	0.4290	-0.0392	0.3751	0.5961	0.4954	0.5408	0.3990
0.950	0.8806	0.3824	0.6611	0.5111	-0.0930	0.4307	0.6257	0.5834	0.5730	0.4728
1.140	0.8841	0.4805	0.6777	0.5843	-0.0888	0.5588	0.6317	0.6445	0.5893	0.5363
1.900	0.8642	0.9541	0.6746	1.0489	-0.1940	1.0977	0.6520	1.0362	0.5882	0.9535

TABLE C96. M = 1.25, τ = 0.7

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.011	1.1881	-0.0070	0.7298	-0.0072	0.0003	0.0090	0.8310	-0.0152	0.6110	-0.0065
0.025	1.1869	-0.0163	0.9491	-0.0168	0.0014	0.0208	0.8275	-0.0352	0.8304	-0.0152
0.050	1.1829	-0.0322	0.9444	-0.0332	0.0056	0.0410	0.8146	-0.0687	0.8261	-0.0300
0.054	1.1820	-0.0344	0.9434	-0.0355	0.0065	0.0437	0.8120	-0.0733	0.8252	-0.0320
0.058	1.1812	-0.0366	0.9424	-0.0377	0.0073	0.0465	0.8094	-0.0778	0.8243	-0.0341
0.061	1.1802	-0.0388	0.9413	-0.0400	0.0082	0.0492	0.8065	-0.0822	0.8233	-0.0361
0.065	1.1793	-0.0410	0.9402	-0.0422	0.0092	0.0519	0.8035	-0.0865	0.8223	-0.0381
0.072	1.1771	-0.0454	0.9378	-0.0466	0.0113	0.0571	0.7970	-0.0949	0.8201	-0.0421
0.079	1.1749	-0.0496	0.9352	-0.0510	0.0135	0.0622	0.7900	-0.1029	0.8177	-0.0460
0.086	1.1723	-0.0538	0.9322	-0.0552	0.0159	0.0671	0.7823	-0.1106	0.8150	-0.0498
0.094	1.1695	-0.0579	0.9290	-0.0593	0.0185	0.0719	0.7741	-0.1178	0.8121	-0.0535
0.101	1.1666	-0.0619	0.9257	-0.0633	0.0212	0.0764	0.7654	-0.1245	0.8090	-0.0571
0.108	1.1634	-0.0658	0.9221	-0.0672	0.0241	0.0808	0.7561	-0.1307	0.8057	-0.0606
0.119	1.1583	-0.0714	0.9162	-0.0728	0.0286	0.0869	0.7414	-0.1391	0.8004	-0.0656
0.126	1.1547	-0.0750	0.9121	-0.0763	0.0317	0.0907	0.7310	-0.1440	0.7966	-0.0688
0.133	1.1509	-0.0785	0.9077	-0.0797	0.0348	0.0943	0.7202	-0.1483	0.7926	-0.0719
0.140	1.1469	-0.0819	0.9032	-0.0830	0.0381	0.0976	0.7091	-0.1520	0.7885	-0.0748
0.148	1.1427	-0.0851	0.8984	-0.0861	0.0414	0.1007	0.6976	-0.1551	0.7841	-0.0775
0.158	1.1361	-0.0897	0.8909	-0.0904	0.0464	0.1049	0.6799	-0.1586	0.7773	-0.0814
0.169	1.1291	-0.0940	0.8829	-0.0943	0.0513	0.1085	0.6616	-0.1606	0.7700	-0.0849
0.176	1.1243	-0.0967	0.8774	-0.0967	0.0546	0.1106	0.6491	-0.1612	0.7650	-0.0870
0.191	1.1141	-0.1015	0.8659	-0.1013	0.0611	0.1140	0.6239	-0.1602	0.7545	-0.0912
0.198	1.1088	-0.1037	0.8599	-0.1027	0.0642	0.1154	0.6112	-0.1587	0.7490	-0.0923
0.223	1.0893	-0.1099	0.8379	-0.1073	0.0744	0.1184	0.5665	-0.1482	0.7289	-0.0963
0.241	1.0745	-0.1130	0.8213	-0.1089	0.0805	0.1189	0.5353	-0.1357	0.7138	-0.0977
0.266	1.0528	-0.1153	0.7970	-0.1089	0.0873	0.1176	0.4935	-0.1117	0.6917	-0.0974
0.281	1.0399	-0.1155	0.7827	-0.1075	0.0899	0.1161	0.4713	-0.0948	0.6787	-0.0960
0.299	1.0236	-0.1147	0.7646	-0.1046	0.0919	0.1136	0.4455	-0.0707	0.6622	-0.0931
0.331	0.9936	-0.1100	0.7316	-0.0954	0.0914	0.1080	0.4058	-0.0202	0.6323	-0.0844
0.353	0.9733	-0.1046	0.7097	-0.0867	0.0881	0.1042	0.3850	0.0175	0.6123	-0.0762
0.360	0.9666	-0.1024	0.7024	-0.0833	0.0864	0.1031	0.3792	0.0306	0.6058	-0.0730
0.396	0.9334	-0.0885	0.6669	-0.0630	0.0744	0.0985	0.3584	0.0984	0.5736	-0.0541
0.432	0.9014	-0.0699	0.6335	-0.0374	0.0567	0.0976	0.3518	0.1674	0.5433	-0.0304
0.468	0.8711	-0.0471	0.6027	-0.0071	0.0347	0.1019	0.3584	0.2335	0.5156	-0.0024
0.504	0.8435	-0.0206	0.5755	0.0272	0.0103	0.1124	0.3765	0.2936	0.4912	0.0293
0.594	0.7879	0.0581	0.5259	0.1254	-0.0480	0.1663	0.4528	0.4026	0.4471	0.1195
0.792	0.7418	0.2491	0.5123	0.3465	-0.0791	0.3438	0.5834	0.4516	0.4381	0.3215
0.900	0.7499	0.3382	0.5423	0.4395	-0.0546	0.4050	0.5749	0.4597	0.4673	0.4057
1.800	0.7480	0.8189	0.5764	0.8959	-0.1454	0.8984	0.5593	0.8859	0.5016	0.8140
3.600	0.7136	1.7324	0.5488	1.8221	0.0891	1.9674	0.4180	1.7748	0.4774	1.6489

TABLE C97. M = 10/7, τ = 0.7

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	0.8736	0.0002	0.6988	0.0003	0.0001	0.0062	0.6113	-0.0027	0.6115	0.0002
0.015	0.8735	0.0004	0.6987	0.0004	0.0002	0.0093	0.6111	-0.0041	0.6114	0.0003
0.025	0.8733	0.0006	0.6985	0.0006	0.0006	0.0156	0.6103	-0.0068	0.6112	0.0006
0.041	0.8727	0.0010	0.6979	0.0011	0.0015	0.0248	0.6084	-0.0107	0.6106	0.0010
0.051	0.8722	0.0013	0.6973	0.0014	0.0023	0.0309	0.6067	-0.0133	0.6101	0.0012
0.056	0.8720	0.0014	0.6970	0.0015	0.0028	0.0339	0.6058	-0.0145	0.6098	0.0014
0.061	0.8716	0.0016	0.6966	0.0017	0.0033	0.0369	0.6046	-0.0157	0.6094	0.0015
0.066	0.8713	0.0017	0.6962	0.0018	0.0039	0.0399	0.6035	-0.0169	0.6091	0.0017
0.071	0.8708	0.0019	0.6957	0.0020	0.0045	0.0429	0.6022	-0.0180	0.6087	0.0018
0.076	0.8705	0.0021	0.6953	0.0022	0.0052	0.0458	0.6008	-0.0191	0.6083	0.0020
0.082	0.8701	0.0023	0.6948	0.0024	0.0058	0.0488	0.5994	-0.0202	0.6078	0.0022
0.087	0.8696	0.0024	0.6943	0.0026	0.0066	0.0517	0.5979	-0.0212	0.6074	0.0023
0.092	0.8692	0.0026	0.6938	0.0028	0.0074	0.0545	0.5963	-0.0221	0.6069	0.0025
0.102	0.8681	0.0030	0.6926	0.0032	0.0090	0.0602	0.5927	-0.0240	0.6058	0.0029
0.112	0.8670	0.0035	0.6913	0.0037	0.0108	0.0657	0.5889	-0.0256	0.6046	0.0034
0.122	0.8658	0.0039	0.6899	0.0042	0.0127	0.0711	0.5848	-0.0269	0.6033	0.0039
0.133	0.8644	0.0044	0.6883	0.0048	0.0148	0.0763	0.5803	-0.0281	0.6019	0.0044
0.143	0.8630	0.0050	0.6867	0.0055	0.0170	0.0814	0.5756	-0.0290	0.6004	0.0050
0.153	0.8614	0.0056	0.6849	0.0061	0.0193	0.0863	0.5706	-0.0296	0.5987	0.0056
0.158	0.8606	0.0059	0.6840	0.0065	0.0204	0.0887	0.5681	-0.0298	0.5979	0.0059
0.168	0.8589	0.0066	0.6820	0.0073	0.0229	0.0934	0.5626	-0.0301	0.5961	0.0066
0.179	0.8571	0.0073	0.6800	0.0081	0.0253	0.0978	0.5570	-0.0300	0.5943	0.0074
0.189	0.8552	0.0081	0.6778	0.0091	0.0279	0.1021	0.5512	-0.0296	0.5923	0.0082
0.199	0.8533	0.0090	0.6756	0.0100	0.0305	0.1062	0.5452	-0.0288	0.5902	0.0091
0.209	0.8512	0.0099	0.6732	0.0111	0.0332	0.1101	0.5390	-0.0278	0.5881	0.0101
0.224	0.8480	0.0114	0.6695	0.0128	0.0372	0.1156	0.5294	-0.0255	0.5847	0.0117
0.240	0.8445	0.0130	0.6656	0.0148	0.0412	0.1206	0.5195	-0.0225	0.5811	0.0135
0.270	0.8371	0.0168	0.6572	0.0193	0.0491	0.1292	0.4990	-0.0140	0.5735	0.0176
0.301	0.8290	0.0213	0.6481	0.0246	0.0565	0.1361	0.4782	-0.0021	0.5651	0.0225
0.342	0.8175	0.0285	0.6350	0.0331	0.0649	0.1425	0.4509	0.0188	0.5532	0.0303
0.408	0.7969	0.0434	0.6120	0.0508	0.0733	0.1476	0.4104	0.0645	0.5323	0.0465
0.510	0.7630	0.0743	0.5747	0.0875	0.0688	0.1488	0.3667	0.1570	0.4984	0.0801
0.612	0.7291	0.1149	0.5386	0.1356	0.0412	0.1539	0.3539	0.2618	0.4657	0.1241
0.791	0.6786	0.2060	0.4884	0.2419	-0.0428	0.2069	0.4012	0.4233	0.4206	0.2213
0.995	0.6445	0.3282	0.4625	0.3807	-0.1204	0.3485	0.4918	0.5181	0.3981	0.3479
1.275	0.6396	0.4934	0.4776	0.5583	-0.1096	0.5567	0.5234	0.5615	0.4137	0.5089
2.550	0.6340	1.0591	0.4897	1.1194	-0.0456	1.2267	0.4348	1.0688	0.4263	1.0135
5.100	0.6121	2.2024	0.4764	2.2973	0.1301	2.1863	0.3799	2.3370	0.4151	2.0771

TABLE C98. M = 5/3, τ = 0.7

ω	k'_c	k''_c	m'_c	m''_c	n'_a	n''_a	n'_b	n''_b	n'_c	n''_c
0.013	0.6684	0.0026	0.5347	0.0027	0.0001	0.0060	0.4678	0.0010	0.4679	0.0024
0.019	0.6684	0.0039	0.5347	0.0041	0.0001	0.0090	0.4677	0.0015	0.4679	0.0037
0.026	0.6683	0.0052	0.5346	0.0054	0.0003	0.0120	0.4675	0.0021	0.4678	0.0049
0.051	0.6680	0.0105	0.5343	0.0109	0.0011	0.0239	0 4663	0.0042	0.4675	0.0098
0.058	0.6679	0.0118	0.5341	0.0122	0.0013	0.0268	0.4658	0.0048	0.4673	0.0110
0.064	0.6678	0.0131	0.5340	0.0136	0.0016	0.0297	0.4653	0.0054	0.4672	0.0123
0.070	0.6676	0.0145	0.5338	0.0149	0.0020	0.0327	0.4648	0.0059	0.4670	0.0135
0.077	0.6675	0.0158	0.5336	0.0163	0.0023	0.0356	0.4642	0.0066	0.4669	0.0147
0.083	0.6673	0.0171	0.5335	0.0177	0.0027	0.0385	0.4636	0.0072	0.4667	0.0160
0.090	0.6671	0.0184	0.5332	0.0191	0.0032	0.0414	0.4628	0.0078	0.4665	0.0172
0.096	0.6669	0.0198	0.5330	0.0204	0.0036	0.0443	0.4621	0.0085	0.4663	0.0185
0.102	0.6667	0.0211	0.5328	0.0218	0.0041	0.0471	0.4613	0.0092	0.4661	0.0197
0.109	0.6665	0.0224	0.5325	0.0232	0.0046	0.0499	0.4605	0.0099	0.4659	0.0210
0.115	0.6663	0.0238	0.5323	0.0246	0.0052	0.0528	0.4596	0.0106	0.4656	0.0222
0.122	0.6660	0.0251	0.5320	0.0260	0.0058	0.0556	0.4587	0.0113	0.4654	0.0235
0.128	0.6658	0.0265	0.5317	0.0274	0.0064	0.0583	0.4578	0.0121	0.4651	0.0248
0.134	0.6655	0.0278	0.5314	0.0288	0.0070	0.0611	0.4567	0.0129	0.4648	0.0260
0.141	0.6652	0.0292	0.5310	0.0302	0.0076	0.0638	0.4557	0.0138	0.4645	0.0273
0.154	0.6646	0.0319	0.5303	0.0331	0.0090	0.0692	0.4535	0.0155	0.4639	0.0299
0.160	0.6643	0.0333	0.5300	0.0345	0.0097	0.0719	0.4523	0.0164	0.4635	0.0312
0.173	0.6636	0.0360	0.5292	0.0374	0.0112	0.0771	0.4498	0.0184	0.4628	0.0337
0.186	0.6629	0.0388	0.5284	0.0402	0.0128	0.0822	0.4472	0.0205	0.4621	0.0364
0.198	0.6621	0.0416	0.5275	0.0432	0.0145	0.0872	0.4444	0.0227	0.4612	0.0390
0.218	0.6608	0.0458	0.5260	0.0476	0.0170	0.0944	0.4399	0.0264	0.4599	0.0430
0.243	0.6590	0.0516	0.5239	0.0536	0.0207	0.1036	0.4336	0.0319	0.4580	0.0485
0.269	0.6570	0.0575	0.5216	0.0598	0.0245	0.1123	0.4269	0.0380	0.4559	0.0541
0.301	0.6542	0.0650	0.5184	0.0677	0.0292	0.1223	0.4180	0.0468	0.4530	0.0612
0.352	0.6492	0.0774	0.5128	0.0810	0.0367	0.1363	0.4031	0.0635	0.4479	0.0732
0.416	0.6423	0.0939	0.5049	0.0986	0.0449	0.1505	0.3843	0.0889	0.4407	0.0892
0.512	0.6304	0.1205	0.4917	0.1274	0.0522	0.1660	0.3586	0.1362	0.4286	0.1153
0.608	0.6176	0.1498	0.4775	0.1593	0.0511	0.1770	0.3395	0.1925	0.4157	0.1443
0.800	0.5914	0.2165	0.4492	0.2326	0.0182	0.2020	0.3310	0.3175	0.3900	0.2110
0.992	0.5681	0.2928	0.4258	0.3168	-0.0449	0.2572	0.3615	0.4311	0.3689	0.2875
1.600	0.5407	0.5592	0.4112	0.6038	-0.1247	0.6367	0.4505	0.5948	0.3571	0.5479
3.200	0.5335	1.1638	0.4141	1.2162	0.0621	1.3253	0.3294	1.1711	0.3607	1.0998
6.400	0.5337	2.3882	0.4255	2.4798	-0.0674	2.3333	0.4134	2.5049	0.3721	2.2410

TABLE C99. M = 2, τ = 0.7

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.5146	0.0018	0.4117	0.0019	0	0.0027	0.3602	0.0014	0.3602	0.0017
0.015	0.5146	0.0036	0.4116	0.0037	0	0.0054	0.3601	0.0028	0.3602	0.0034
0.023	0.5146	0.0054	0.4116	0.0056	0.0001	0.0081	0.3601	0.0042	0.3602	0.0050
0.037	0.5145	0.0090	0.4116	0.0093	0.0003	0.0135	0.3599	0.0071	0.3601	0.0084
0.052	0.5144	0.0126	0.4114	0.0130	0.0005	0.0189	0.3595	0.0099	0.3600	0.0118
0.060	0.5144	0.0144	0.4114	0.0149	0.0007	0.0215	0.3593	0.0113	0.3600	0.0135
0.067	0.5143	0.0162	0.4114	0.0168	0.0008	0.0242	0.3591	0.0128	0.3599	0.0151
0.075	0.5143	0.0180	0.4113	0.0186	0.0010	0.0269	0.3589	0.0142	0.3599	0.0168
0.083	0.5142	0.0198	0.4112	0.0205	0.0012	0.0296	0.3586	0.0157	0.3598	0.0185
0.090	0.5141	0.0216	0.4111	0.0224	0.0015	0.0322	0.3583	0.0171	0.3597	0.0202
0.098	0.5141	0.0234	0.4111	0.0242	0.0017	0.0349	0.3580	0.0186	0.3597	0.0219
0.105	0.5140	0.0253	0.4110	0.0261	0.0020	0.0375	0.3576	0.0201	0.3596	0.0236
0.112	0.5139	0.0271	0.4109	0.0280	0.0023	0.0401	0.3572	0.0216	0.3595	0.0253
0.128	0.5137	0.0307	0.4106	0.0317	0.0029	0.0453	0.3564	0.0246	0.3593	0.0287
0.135	0.5136	0.0325	0.4105	0.0336	0.0033	0.0479	0.3559	0.0261	0.3591	0.0304
0.143	0.5135	0.0343	0.4104	0.0355	0.0036	0.0505	0.3555	0.0276	0.3590	0.0320
0.150	0.5133	0.0361	0.4102	0.0374	0.0040	0.0531	0.3549	0.0292	0.3589	0.0337
0.158	0.5132	0.0380	0.4101	0.0392	0.0044	0.0556	0.3544	0.0308	0.3588	0.0355
0.173	0.5129	0.0416	0.4098	0.0430	0.0052	0.0607	0.3533	0.0339	0.3585	0.0389
0.188	0.5126	0.0453	0.4094	0.0468	0.0061	0.0656	0.3521	0.0372	0.3582	0.0423
0.202	0.5123	0.0489	0.4090	0.0506	0.0070	0.0706	0.3508	0.0405	0.3578	0.0457
0.218	0.5120	0.0526	0.4087	0.0544	0.0080	0.0754	0.3494	0.0438	0.3575	0.0491
0.240	0.5114	0.0581	0.4080	0.0601	0.0096	0.0826	0.3473	0.0490	0.3569	0.0543
0.263	0.5108	0.0637	0.4073	0.0659	0.0113	0.0895	0.3449	0.0544	0.3562	0.0595
0.278	0.5104	0.0674	0.4068	0.0698	0.0124	0.0940	0.3433	0.0581	0.3558	0.0630
0.300	0.5097	0.0730	0.4060	0.0756	0.0142	0.1007	0.3407	0.0639	0.3551	0.0683
0.337	0.5084	0.0824	0.4046	0.0853	0.0172	0.1112	0.3362	0.0739	0.3538	0.0771
0.413	0.5056	0.1014	0.4013	0.1052	0.0231	0.1306	0.3266	0.0959	0.3508	0.0951
0.487	0.5022	0.1209	0.3976	0.1256	0.0283	0.1476	0.3168	0.1206	0.3473	0.1135
0.600	0.4966	0.1510	0.3912	0.1573	0.0330	0.1691	0.3035	0.1625	0.3416	0.1422
0.788	0.4861	0.2040	0.3796	0.2134	0.0277	0.1992	0.2899	0.2424	0.3310	0.1930
1.013	0.4731	0.2720	0.3657	0.2859	-0.0041	0.2411	0.2944	0.3430	0.3183	0.2587
1.875	0.4468	0.5605	0.3445	0.5924	-0.1069	0.6371	0.3677	0.5789	0.2998	0.5364
3.750	0.4424	1.1520	0.3467	1.1980	0.0820	1.2334	0.2694	1.1833	0.3025	1.0828
7.500	0.4486	2.3357	0.3606	2.4187	-0.0052	2.3636	0.3115	2.4041	0.3157	2.1851

TABLE C100. M = 5/2, τ = 0.7

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.3890	0.0019	0.3112	0.0019	0	0.0023	0.2723	0.0017	0.2723	0.0017
0.017	0.3890	0.0037	0.3112	0.0038	0	0.0046	0.2723	0.0034	0.2723	0.0035
0.025	0.3890	0.0056	0.3112	0.0057	0.0001	0.0069	0.2722	0.0051	0.2723	0.0052
0.050	0.3890	0.0111	0.3111	0.0115	0.0002	0.0137	0.2721	0.0102	0.2722	0.0104
0.059	0.3889	0.0130	0.3111	0.0134	0.0003	0.0160	0.2720	0.0119	0.2722	0.0121
0.067	0.3889	0.0148	0.3111	0.0153	0.0004	0.0183	0.2719	0.0136	0.2722	0.0138
0.076	0.3888	0.0167	0.3110	0.0172	0.0005	0.0205	0.2718	0.0153	0.2722	0.0156
0.084	0.3888	0.0185	0.3110	0.0191	0.0006	0.0228	0.2716	0.0170	0.2721	0.0173
0.092	0.3888	0.0204	0.3110	0.0211	0.0007	0.0251	0.2715	0.0187	0.2721	0.0190
0.101	0.3888	0.0222	0.3110	0.0230	0.0008	0.0273	0.2714	0.0204	0.2721	0.0207
0.109	0.3888	0.0241	0.3109	0.0249	0.0009	0.0296	0.2712	0.0222	0.2720	0.0225
0.118	0.3887	0.0259	0.3109	0.0268	0.0011	0.0318	0.2711	0.0239	0.2720	0.0242
0.126	0.3887	0.0278	0.3108	0.0287	0.0012	0.0341	0.2709	0.0256	0.2720	0.0259
0.134	0.3886	0.0296	0.3108	0.0306	0.0014	0.0363	0.2707	0.0274	0.2719	0.0277
0.143	0.3886	0.0315	0.3108	0.0326	0.0016	0.0386	0.2705	0.0291	0.2719	0.0294
0.151	0.3885	0.0334	0.3107	0.0345	0.0018	0.0408	0.2703	0.0309	0.2718	0.0311
0.160	0.3885	0.0352	0.3106	0.0364	0.0020	0.0430	0.2700	0.0326	0.2718	0.0329
0.176	0.3884	0.0389	0.3105	0.0402	0.0024	0.0474	0.2696	0.0361	0.2717	0.0364
0.193	0.3883	0.0427	0.3104	0.0441	0.0028	0.0518	0.2690	0.0397	0.2715	0.0398
0.202	0.3882	0.0445	0.3103	0.0460	0.0031	0.0540	0.2688	0.0415	0.2715	0.0416
0.218	0.3881	0.0482	0.3101	0.0499	0.0036	0.0583	0.2682	0.0451	0.2713	0.0450
0.244	0.3879	0.0538	0.3099	0.0557	0.0044	0.0647	0.2672	0.0505	0.2711	0.0503
0.260	0.3877	0.0576	0.3097	0.0595	0.0049	0.0690	0.2665	0.0542	0.2710	0.0538
0.286	0.3875	0.0632	0.3094	0.0653	0.0058	0.0752	0.2655	0.0598	0.2707	0.0590
0.302	0.3873	0.0669	0.3092	0.0692	0.0064	0.0794	0.2647	0.0636	0.2705	0.0625
0.328	0.3870	0.0726	0.3089	0.0750	0.0074	0.0855	0.2635	0.0694	0.2702	0.0678
0.361	0.3866	0.0801	0.3084	0.0828	0.0087	0.0934	0.2618	0.0772	0.2698	0.0748
0.403	0.3860	0.0895	0.3078	0.0926	0.0103	0.1030	0.2596	0.0873	0.2692	0.0837
0.437	0.3855	0.0971	0.3072	0.1005	0.0116	0.1105	0.2578	0.0956	0.2686	0.0908
0.504	0.3844	0.1123	0.3060	0.1163	0.0141	0.1248	0.2541	0.1127	0.2675	0.1050
0.588	0.3829	0.1315	0.3042	0.1362	0.0166	0.1415	0.2496	0.1354	0.2659	0.1231
0.798	0.3785	0.1804	0.2993	0.1873	0.0174	0.1790	0.2409	0.1969	0.2614	0.1692
1.008	0.3735	0.2308	0.2939	0.2400	0.0075	0.2151	0.2391	0.2627	0.2565	0.2169
2.016	0.3565	0.4887	0.2778	0.5109	-0.0768	0.5343	0.2847	0.5074	0.2422	0.4620
2.100	0.3560	0.5106	0.2777	0.5338	-0.0721	0.5686	0.2835	0.5220	0.2421	0.4827
4.200	0.3548	1.0408	0.2810	1.0796	0.0369	1.0444	0.2335	1.0900	0.2455	0.9755
8.400	0.3572	2.0934	0.2858	2.1652	0.0324	2.0979	0.2341	2.1662	0.2501	1.9558

TABLE C101. M = 1, τ = 0.8

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	4.6278	-4.4582	2.0414	-1.8957	0.0192	0.0200	2.0469	-1.8735	2.5042	-2.3415
0.015	3.8131	-3.6053	1.6965	-1.5178	0.0233	0.0248	1.7065	-1.4942	2.0778	-1.8783
0.020	3.3319	-3.0921	1.4948	-1.2883	0.0266	0.0289	1.5084	-1.2632	1.8280	-1.5975
0.025	3.0068	-2.7386	1.3598	-1.1290	0.0294	0.0326	1.3765	-1.1022	1.6604	-1.4029
0.030	2.7690	-2.4752	1.2619	-1.0093	0.0318	0.0361	1.2813	-0.9809	1.5388	-1.2568
0.035	2.5858	-2.2687	1.1876	-0.9146	0.0340	0.0394	1.2092	-0.8848	1.4461	-1.1415
0.040	2.4398	-2.1006	1.1287	-0.8370	0.0359	0.0425	1.1526	-0.8057	1.3727	-1.0470
0.045	2.3198	-1.9600	1.0810	-0.7715	0.0377	0.0456	1.1069	-0.7390	1.3130	-0.9675
0.050	2.2194	-1.8401	1.0414	-0.7152	0.0393	0.0485	1.0692	-0.6814	1.2633	-0.8992
0.060	2.0598	-1.6443	0.9796	-0.6223	0.0420	0.0542	1.0109	-0.5861	1.1856	-0.7867
0.070	1.9381	-1.4893	0.9336	-0.5476	0.0443	0.0596	0.9680	-0.5092	1.1274	-0.6965
0.080	1.8420	-1.3622	0.8980	-0.4854	0.0462	0.0650	0.9355	-0.4450	1.0822	-0.6216
0.090	1.7638	-1.2550	0.8699	-0.4322	0.0479	0.0702	0.9102	-0.3899	1.0463	-0.5577
0.100	1.6991	-1.1626	0.8472	-0.3858	0.0492	0.0753	0.8901	-0.3418	1.0171	-0.5021
0.120	1.5977	-1.0100	0.8131	-0.3076	0.0512	0.0855	0.8611	-0.2604	0.9729	-0.4086
0.140	1.5220	-0.8872	0.7891	-0.2431	0.0523	0.0956	0.8418	-0.1930	0.9413	-0.3318
0.160	1.4635	-0.7847	0.7718	-0.1880	0.0529	0.1057	0.8289	-0.1353	0.9181	-0.2665
0.180	1.4167	-0.6968	0.7590	-0.1397	0.0528	0.1159	0.8203	-0.0847	0.9007	-0.2094
0.200	1.3789	-0.6199	0.7495	-0.0966	0.0523	0.1262	0.8148	-0.0395	0.8874	-0.1586
0.240	1.3216	-0.4899	0.7371	-0.0215	0.0500	0.1470	0.8100	0.0391	0.8692	-0.0705
0.280	1.2806	-0.3820	0.7302	0.0430	0.0463	0.1684	0.8105	0.1066	0.8583	0.0048
0.320	1.2504	-0.2893	0.7268	0.1002	0.0414	0.1904	0.8140	0.1662	0.8519	0.0713
0.360	1.2274	-0.2075	0.7256	0.1522	0.0356	0.2132	0.8194	0.2201	0.8483	0.1314
0.400	1.2097	-0.1340	0.7257	0.2002	0.0289	0.2366	0.8259	0.2695	0.8467	0.1868
0.600	0.1621	0.1597	0.7347	0.4043	-0.0132	0.3648	0.8642	0.4754	0.8510	0.4202
0.800	1.1437	0.3898	0.7453	0.5781	-0.0633	0.5111	0.8998	0.6437	0.8597	0.6171
1.000	1.1341	0.5905	0.7524	0.7388	-0.1150	0.6743	0.9281	0.7936	0.8658	0.7978
1.500	1.1165	1.0379	0.7532	1.1213	-0.2259	1.1429	0.9633	1.1329	0.8649	1.2251
2.000	1.0950	1.4586	0.7371	1.5021	-0.2806	1.6677	0.9527	1.4602	0.8467	1.6480
2.500	1.0698	1.8751	0.7137	1.8916	-0.2642	2.2074	0.9073	1.8003	0.8207	2.0791
3.000	1.0447	2.2945	0.6900	2.2911	-0.1826	2.7245	0.8404	2.1664	0.7944	2.5205
3.500	1.0228	2.7180	0.6706	2.6985	-0.0573	3.1909	0.7673	2.5640	0.7729	2.9703

TABLE C102. M = 10/9, τ = 0.8

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	2.1009	-0.0521	1.4696	-0.0503	0.0009	0.0159	1.6770	-0.0842	1.6797	-0.0555
0.015	2.0970	-0.0831	1.4655	-0.0803	0.0024	0.0253	1.6682	-0.1342	1.6752	-0.0886
0.025	2.0871	-0.1343	1.4546	-0.1295	0.0063	0.0406	1.6451	-0.2153	1.6633	-0.1429
0.034	2.0727	-0.1842	1.4386	-0.1773	0.0119	0.0550	1.6115	-0.2925	1.6459	-0.1957
0.049	2.0403	-0.2606	1.4032	-0.2496	0.0239	0.0756	1.5379	-0.4047	1.6073	-0.2757
0.053	2.0305	-0.2788	1.3925	-0.2667	0.0275	0.0802	1.5160	-0.4301	1.5956	-0.2946
0.057	2.0201	-0.2967	1.3812	-0.2833	0.0311	0.0845	1.4927	-0.4543	1.5832	-0.3130
0.066	1.9913	-0.3394	1.3498	-0.3227	0.0410	0.0942	1.4297	-0.5090	1.5489	-0.3567
0.076	1.9590	-0.3793	1.3147	-0.3587	0.0514	0.1020	1.3605	-0.5549	1.5106	-0.3967
0.080	1.9453	-0.3944	1.2998	-0.3721	0.0557	0.1047	1.3314	-0.5707	1.4943	-0.4116
0.085	1.9234	-0.4160	1.2762	-0.3910	0.0622	0.1080	1.2862	-0.5914	1.4685	-0.4325
0.095	1.8850	-0.4492	1.2347	-0.4191	0.0730	0.1121	1.2085	-0.6178	1.4232	-0.4640
0.104	1.8438	-0.4785	1.1906	-0.4429	0.0835	0.1143	1.1285	-0.6340	1.3750	-0.4908
0.123	1.7556	-0.5254	1.0969	-0.4768	0.1021	0.1136	0.9678	-0.6356	1.2725	-0.5293
0.133	1.7094	-0.5427	1.0483	-0.4867	0.1098	0.1109	0.8899	-0.6215	1.2193	-0.5409
0.142	1.6622	-0.5557	0.9992	-0.4917	0.1160	0.1070	0.8153	-0.5982	1.1654	-0.5473
0.160	1.5765	-0.5686	0.9110	-0.4889	0.1230	0.0977	0.6931	-0.5353	1.0687	-0.5458
0.180	1.4733	-0.5663	0.8074	-0.4657	0.1235	0.0847	0.5715	-0.4288	0.9547	-0.5223
0.200	1.3841	-0.5484	0.7208	-0.4274	0.1163	0.0739	0.4926	-0.3132	0.8592	-0.4822
0.209	1.3419	-0.5343	0.6812	-0.4029	0.1102	0.0696	0.4653	-0.2517	0.8154	-0.4563
0.238	1.2289	-0.4748	0.5806	-0.3122	0.0843	0.0642	0.4309	-0.0672	0.7035	-0.3597
0.266	1.1396	-0.3960	0.5112	-0.2045	0.0523	0.0730	0.4585	0.0960	0.6252	-0.2441
0.304	1.0614	-0.2767	0.4692	-0.0538	0.0136	0.1072	0.5566	0.2477	0.5753	-0.0815
0.342	1.0264	-0.1593	0.4778	0.0827	-0.0075	0.1578	0.6715	0.3133	0.5804	0.0668
0.399	1.0313	-0.0180	0.5493	0.2269	0.0016	0.2301	0.7767	0.3001	0.6525	0.2251
0.475	1.0697	0.0845	0.6529	0.2959	0.0367	0.2658	0.7472	0.2787	0.7599	0.3043
0.570	1.0635	0.1416	0.6720	0 3017	-0.0006	0.2739	0.6950	0.4241	0.7784	0.3159
0.665	1.0093	0.2310	0.6159	0.3733	-0.0616	0.3678	0.7868	0.5393	0.7168	0.3964
0.760	0.9903	0.3581	0.6113	0.5023	-0.0433	0.4612	0.8183	0.5419	0.7103	0.5381
0.855	1.0126	0.4570	0.6602	0.5886	-0.0513	0.4876	0.7789	0.6151	0.7615	0.6343
0.950	1.0197	0.5179	0.6791	0.6240	-0.1139	0.5608	0.8158	0.7181	0.7811	0.6758
1.140	0.9854	0.6815	0.6433	0.7708	-0.1099	0.7252	0.8251	0.7924	0.7419	0.8390
1.900	0.9694	1.2616	0.6484	1.2902	-0.2513	1.4089	0.8543	1.2750	0.7454	1.4163

TABLE C103. M = 1.25, τ = 0.8

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.011	1.3577	-0.0091	0.9503	-0.0088	0.0003	0.0117	1.0855	-0.0192	1.0860	-0.0098
0.025	1.3560	-0.0212	0.9484	-0.0205	0.0018	0.0272	1.0812	-0.0446	1.0840	-0.0226
0.050	1.3499	-0.0419	0.9416	-0.0403	0.0071	0.0536	1.0654	-0.0872	1.0766	-0.0445
0.054	1.3486	-0.0447	0.9403	-0.0431	0.0081	0.0572	1.0622	-0.0930	1.0751	-0.0475
0.058	1.3474	-0.0476	0.9389	-0.0458	0.0092	0.0608	1.0590	-0.0987	1.0736	-0.0505
0.061	1.3460	-0.0504	0.9374	-0.0485	0.0103	0.0644	1.0555	-0.1043	1.0720	-0.0535
0.065	1.3446	-0.0532	0.9358	-0.0511	0.0115	0.0679	1.0518	-0.1098	1.0703	-0.0565
0.072	1.3414	-0.0587	0.9323	-0.0563	0.0141	0.0749	1.0439	-0.1206	1.0665	-0.0622
0.079	1.3380	-0.0642	0.9286	-0.0614	0.0169	0.0816	1.0353	-0.1309	1.0624	-0.0678
0.086	1.3342	-0.0694	0.9245	-0.0663	0.0200	0.0881	1.0258	-0.1407	1.0579	-0.0733
0.094	1.3302	-0.0745	0.9200	-0.0711	0.0232	0.0944	1.0158	-0.1500	1.0530	-0.0785
0.101	1.3258	-0.0795	0.9152	-0.0756	0.0266	0.1005	1.0051	-0.1587	1.0478	-0.0836
0.108	1.3211	-0.0843	0.9102	-0.0800	0.0302	0.1063	0.9937	-0.1668	1.0423	-0.0884
0.119	1.3137	-0.0911	0.9020	-0.0861	0.0359	0.1145	0.9756	-0.1778	1.0334	-0.0953
0.126	1.3083	-0.0955	0.8962	-0.0900	0.0398	0.1197	0.9629	-0.1844	1.0270	-0.0995
0.133	1.3027	-0.0996	0.8901	-0.0935	0.0438	0.1245	0.9497	-0.1902	1.0204	-0.1035
0.140	1.2969	-0.1035	0.8837	-0.0969	0.0479	0.1291	0.9360	-0.1953	1.0134	-0.1072
0.148	1.2908	-0.1072	0.8771	-0.1000	0.0521	0.1334	0.9218	-0.1996	1.0062	-0.1107
0.158	1.2812	-0.1123	0.8667	-0.1041	0.0584	0.1392	0.9000	-0.2048	0.9948	-0.1153
0.169	1.2711	-0.1169	0.8558	-0.1076	0.0648	0.1444	0.8774	-0.2081	0.9829	-0.1192
0.176	1.2641	-0.1196	0.8483	-0.1095	0.0690	0.1475	0.8621	-0.2094	0.9747	-0.1215
0.191	1.2496	-0.1243	0.8327	-0.1125	0.0774	0.1527	0.8309	-0.2094	0.9576	-0.1250
0.198	1.2421	-0.1263	0.8246	-0.1136	0.0814	0.1548	0.8151	0.2082	0.9488	-0.1262
0.223	1.2144	-0.1309	0.7951	-0.1147	0.0947	0.1601	0.7596	-0.1975	0.9166	-0.1277
0.241	1.1938	-0.1320	0.7732	-0.1129	0.1030	0.1618	0.7206	-0.1839	0.8926	-0.1261
0.266	1.1638	-0.1304	0.7417	-0.1070	0.1124	0.1617	0.6682	-0.1567	0.8581	-0.1200
0.281	1.1465	-0.1279	0.7236	-0.1017	0.1164	0.1607	0.6401	-0.1372	0.8382	-0.1145
0.299	1.1245	-0.1230	0.7009	-0.0932	0.1198	0.1584	0.6073	-0.1092	0.8134	-0.1055
0.331	1.0851	-0.1095	0.6609	-0.0726	0.1211	0.1530	0.5561	-0.0500	0.7694	-0.0835
0.353	1.0593	-0.0973	0.6351	-0.0553	0.1183	0.1491	0.5285	-0.0054	0.7410	-0.0650
0.360	1.0508	-0.0927	0.6268	-0.0489	0.1168	0.1478	0.5206	0.0101	0.7319	-0.0582
0.396	1.0101	-0.0656	0.5875	-0.0129	0.1043	0.1429	0.4911	0.0912	0.6885	-0.0194
0.432	0.9727	-0.0326	0.5529	0.0293	0.0849	0.1419	0.4785	0.1745	0.6502	0.0260
0.468	0.9394	0.0054	0.5241	0.0763	0.0601	0.1468	0.4818	0.2551	0.6180	0.0768
0.504	0.9112	0.0472	0.5017	0.1267	0.0320	0.1587	0.4992	0.3292	0.5928	0.1314
0.594	0.8638	0.1610	0.4747	0.2582	-0.0370	0.2208	0.5817	0.4681	0.5611	0.2743
0.792	0.8578	0.3909	0.5267	0.4952	-0.0830	0.4313	0.7343	0.5504	0.6125	0.5343
0.900	0.8788	0.4800	0.5729	0.5703	-0.0606	0.5084	0.7291	0.5690	0.6608	0.6183
1.800	0.8657	1.0827	0.5915	1.1017	-0.1950	1.1597	0.7385	1.0908	0.6780	1.2100
3.600	0.8094	2.2775	0.5398	2.2398	0.0644	2.5586	0.5748	2.1623	0.6207	2.4675

TABLE C104. M = 10/7, τ = 0.8

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	0.9983	0.0003	0.6988	0.0003	0.0001	0.0081	0.7985	-0.0036	0.7986	0.0003
0.015	0.9982	0.0005	0.6987	0.0005	0.0003	0.0122	0.7982	-0.0054	0.7985	0.0005
0.025	0.9979	0.0008	0.6983	0.0008	0.0007	0.0203	0.7973	-0.0089	0.7981	0.0009
0.041	0.9971	0.0013	0.6974	0.0013	0.0019	0.0324	0.7950	-0.0141	0.7971	0.0014
0.051	0.9963	0.0017	0.6966	0.0017	0.0029	0.0404	0.7928	-0.0175	0.7963	0.0019
0.056	0.9960	0.0019	0.6962	0.0019	0.0035	0.0444	0.7917	-0.0191	0.7958	0.0021
0.061	0.9954	0.0021	0.6956	0.0021	0.0042	0.0483	0.7903	-0.0207	0.7952	0.0023
0.066	0.9949	0.0023	0.6951	0.0023	0.0049	0.0522	0.7888	-0.0223	0.7946	0.0026
0.071	0.9944	0.0026	0.6944	0.0026	0.0056	0.0561	0.7873	-0.0238	0.7939	0.0028
0.076	0.9938	0.0028	0.6938	0.0028	0.0064	0.0600	0.7856	-0.0253	0.7932	0.0031
0.082	0.9932	0.0031	0.6931	0.0031	0.0073	0.0638	0.7838	-0.0267	0.7924	0.0034
0.087	0.9925	0.0033	0.6924	0.0033	0.0082	0.0676	0.7820	-0.0281	0.7916	0.0037
0.092	0.9918	0.0036	0.6916	0.0036	0.0092	0.0714	0.7800	-0.0294	0.7908	0.0040
0.102	0.9903	0.0042	0.6899	0.0042	0.0113	0.0788	0.7757	-0.0318	0.7890	0.0047
0.112	0.9886	0.0048	0.6881	0.0049	0.0135	0.0861	0.7710	-0.0341	0.7869	0.0054
0.122	0.9867	0.0055	0.6861	0.0057	0.0160	0.0932	0.7659	-0.0361	0.7847	0.0062
0.133	0.9847	0.0063	0.6839	0.0065	0.0185	0.1001	0.7605	-0.0377	0.7823	0.0072
0.143	0.9826	0.0071	0.6815	0.0075	0.0213	0.1068	0.7547	-0.0391	0.7798	0.0082
0.153	0.9803	0.0081	0.6790	0.0085	0.0241	0.1134	0.7485	-0.0402	0.7770	0.0093
0.158	0.9791	0.0086	0.6777	0.0090	0.0256	0.1166	0.7453	-0.0406	0.7757	0.0099
0.168	0.9766	0.0096	0.6750	0.0102	0.0287	0.1228	0.7387	-0.0411	0.7727	0.0112
0.179	0.9740	0.0108	0.6721	0.0115	0.0318	0.1288	0.7318	-0.0413	0.7696	0.0126
0.189	0.9713	0.0120	0.6692	0.0129	0.0351	0.1345	0.7246	-0.0411	0.7663	0.0141
0.199	0.9684	0.0133	0.6660	0.0144	0.0384	0.1401	0.7172	-0.0405	0.7629	0.0157
0.209	0.9654	0.0148	0.6627	0.0160	0.0417	0.1454	0.7096	-0.0395	0.7593	0.0175
0.224	0.9606	0.0171	0.6576	0.0187	0.0469	0.1528	0.6977	-0.0373	0.7537	0.0204
0.240	0.9556	0.0198	0.6522	0.0217	0.0520	0.1597	0.6854	-0.0341	0.7478	0.0237
0.270	0.9449	0.0258	0.6407	0.0286	0.0622	0.1718	0.6601	-0.0246	0.7352	0.0312
0.301	0.9335	0.0331	0.6283	0.0369	0.0718	0.1816	0.6343	-0.0111	0.7217	0.0402
0.342	0.9171	0.0446	0.6109	0.0501	0.0830	0.1915	0.6001	0.0131	0.7027	0.0545
0.408	0.8888	0.0683	0.5812	0.0772	0.0951	0.2006	0.5490	0.0669	0.6700	0.0841
0.510	0.8441	0.1170	0.5357	0.1327	0.0931	0.2056	0.4918	0.1772	0.6201	0.1444
0.612	0.8028	0.1791	0.4958	0.2029	0.0631	0.2137	0.4712	0.3039	0.5761	0.2208
0.791	0.7499	0.3114	0.4526	0.3486	-0.0343	0.2776	0.5195	0.5037	0.5276	0.3798
0.995	0.7281	0.4737	0.4508	0.5192	-0.1302	0.4460	0.6238	0.6293	0.5236	0.5665
1.275	0.7431	0.6691	0.4946	0.7057	-0.1300	0.7008	0.6671	0.6960	0.5689	0.7726
2.550	0.7262	1.4006	0.4921	1.3861	-0.0860	1.5844	0.5857	1.3105	0.5647	1.5262
5.100	0.7060	2.8923	0.4857	2.8239	0.1472	2.8856	0.5033	2.8405	0.5563	3.1131

TABLE C105. M = 5/3, τ = 0.8

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.013	0.7639	0.0034	0.5347	0.0033	0.0001	0.0078	0.6110	0.0011	0.6111	0.0036
0.019	0.7639	0.0051	0.5347	0.0050	0.0002	0.0117	0.6109	0.0017	0.6111	0.0055
0.026	0.7638	0.0068	0.5346	0.0066	0.0003	0.0156	0.6106	0.0022	0.6109	0.0073
0.051	0.7633	0.0137	0.5341	0.0133	0.0013	0.0312	0.6091	0.0046	0.6104	0.0146
0.058	0.7631	0.0154	0.5339	0.0149	0.0017	0.0350	0.6086	0.0052	0.6102	0.0165
0.064	0.7629	0.0172	0.5337	0.0166	0.0020	0.0389	0.6080	0.0058	0.6100	0.0183
0.070	0.7627	0.0189	0.5334	0.0183	0.0025	0.0427	0.6073	0.0065	0.6097	0.0202
0.077	0.7625	0.0206	0.5332	0.0200	0.0029	0.0465	0.6066	0.0071	0.6094	0.0220
0.083	0.7623	0.0224	0.5329	0.0217	0.0034	0.0503	0.6058	0.0078	0.6091	0.0239
0.090	0.7619	0.0241	0.5326	0.0233	0.0040	0.0541	0.6049	0.0085	0.6088	0.0258
0.096	0.7616	0.0259	0.5322	0.0250	0.0045	0.0579	0.6040	0.0093	0.6084	0.0276
0.102	0.7614	0.0276	0.5319	0.0267	0.0052	0.0616	0.6031	0.0100	0.6081	0.0295
0.109	0.7611	0.0294	0.5316	0.0285	0.0058	0.0653	0.6021	0.0108	0.6077	0.0314
0.115	0.7607	0.0311	0.5312	0.0302	0.0065	0.0690	0.6010	0.0116	0.6073	0.0333
0.122	0.7603	0 0329	0.5308	0.0319	0.0072	0.0727	0.5999	0.0125	0.6068	0.0352
0.128	0.7600	0.0347	0.5304	0.0336	0.0080	0.0763	0.5987	0.0134	0.6064	0.0371
0.134	0.7595	0.0365	0.5299	0.0354	0.0087	0.0799	0.5974	0.0143	0.6059	0.0390
0.141	0.7591	0.0383	0.5295	0.0371	0.0096	0.0835	0.5961	0.0152	0.6054	0.0409
0.154	0.7582	0.0419	0.5285	0.0406	0.0113	0.0906	0.5934	0.0172	0.6043	0.0448
0.160	0.7577	0.0437	0.5279	0.0424	0.0122	0.0941	0.5919	0.0183	0.6037	0.0468
0.173	0.7567	0.0473	0.5269	0.0460	0.0141	0.1010	0.5888	0.0205	0.6025	0.0507
0.186	0.7557	0.0510	0.5257	0.0496	0.0160	0.1078	0.5856	0.0229	0.6012	0.0547
0.198	0.7545	0.0547	0.5244	0.0533	0.0181	0.1144	0.5822	0.0255	0.5999	0.0587
0.218	0.7526	0.0604	0.5224	0.0588	0.0214	0.1240	0.5767	0.0297	0.5976	0.0649
0.243	0.7499	0.0681	0.5194	0.0665	0.0260	0.1362	0.5689	0.0361	0.5944	0.0733
0.269	0.7470	0.0760	0.5162	0.0743	0.0308	0.1478	0.5606	0.0433	0.5909	0.0819
0.301	0.7429	0.0861	0.5118	0.0845	0.0369	0.1613	0.5496	0.0536	0.5861	0.0931
0.352	0.7358	0.1031	0.5041	0.1016	0.0465	0.1804	0.5311	0.0732	0.5777	0.1119
0.416	0.7258	0.1258	0.4934	0.1246	0.0572	0.2002	0.5077	0.1034	0.5660	0.1372
0.512	0.7094	0.1630	0.4761	0.1628	0.0677	0.2225	0.4751	0.1598	0.5470	0.1791
0.608	0.6922	0.2042	0.4582	0.2056	0.0682	0.2390	0.4503	0.2275	0.5275	0.2261
0.800	0.7254	0.2982	0.4195	0.3040	0.0323	0.2735	0.4356	0.3794	0.4920	0.3338
0.992	0.6343	0.4041	0.4048	0.4143	-0.0413	0.3420	0.4682	0.5200	0.4682	0.4547
1.600	0.6227	0.7467	0.4181	0.7548	-0.1503	0.8050	0.5768	0.7358	0.4804	0.8295
3.200	0.6067	1.5361	0.4100	1.5055	0.0443	1.7201	0.4499	1.4307	0.4707	1.6591
6.400	0.6129	3.1238	0.4299	3.0336	-0.0655	3.0689	0.5266	3.0530	0.4912	3.3460

TABLE C106. M = 2, τ = 0.8

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.5881	0.0024	0.4117	0.0023	0	0.0035	0.4705	0.0017	0.4705	0.0025
0.015	0.5880	0.0047	0.4116	0.0045	0.0001	0.0071	0.4704	0.0034	0.4705	0.0050
0.023	0.5881	0.0071	0.4116	0.0068	0.0001	0.0106	0.4703	0.0051	0.4704	0.0075
0.037	0.5879	0.0118	0.4115	0.0114	0.0003	0.0176	0.4700	0.0084	0.4703	0.0125
0.052	0.5878	0.0165	0.4114	0.0159	0.0006	0.0246	0.4696	0.0119	0.4702	0.0176
0.060	0.5877	0.0188	0.4113	0.0182	0.0008	0.0281	0.4694	0.0136	0.4701	0.0201
0.067	0.5877	0.0212	0.4112	0.0205	0.0010	0.0316	0.4691	0.0153	0.4700	0.0226
0.075	0.5876	0.0235	0.4112	0.0228	0.0013	0.0351	0.4688	0.0170	0.4699	0.0251
0.083	0.5875	0.0259	0.4110	0.0251	0.0015	0.0386	0.4685	0.0187	0.4698	0.0276
0.090	0.5874	0.0283	0.4109	0.0273	0.0018	0.0421	0.4681	0.0205	0.4697	0.0302
0.098	0.5873	0.0306	0.4108	0.0296	0.0022	0.0455	0.4677	0.0222	0.4696	0.0327
0.105	0.5872	0.0330	0.4107	0.0319	0.0025	0.0490	0.4673	0.0240	0.4694	0.0352
0.112	0.5870	0.0354	0.4105	0.0342	0.0029	0.0524	0.4668	0.0258	0.4692	0.0377
0.128	0.5867	0.0401	0.4102	0.0388	0.0036	0.0592	0.4658	0.0294	0.4689	0.0428
0.135	0.5866	0.0425	0.4100	0.0411	0.0041	0.0626	0.4652	0.0312	0.4686	0.0454
0.143	0.5864	0.0449	0.4098	0.0434	0.0045	0.0660	0.4646	0.0330	0.4684	0.0479
0.150	0.5862	0.0472	0.4096	0.0457	0.0050	0.0694	0.4640	0.0349	0.4682	0.0504
0.158	0.5860	0.0496	0.4094	0.0480	0.0055	0.0727	0.4634	0.0368	0.4680	0.0530
0.173	0.5856	0.0544	0.4090	0.0527	0.0065	0.0794	0.4620	0.0406	0.4675	0.0581
0.188	0.5852	0.0592	0.4085	0.0573	0.0076	0.0859	0.4605	0.0444	0.4670	0.0632
0.202	0.5847	0.0640	0.4080	0.0620	0.0088	0.0924	0.4589	0.0484	0.4664	0.0684
0.218	0.5842	0.0688	0.4074	0.0667	0.0101	0.0988	0.4572	0.0524	0.4658	0.0735
0.240	0.5834	0.0761	0.4065	0.0737	0.0121	0.1082	0.4545	0.0587	0.4648	0.0813
0.263	0.5825	0.0834	0.4055	0.0808	0.0142	0.1173	0.4516	0.0651	0.4638	0.0892
0.278	0.5818	0.0883	0.4048	0.0856	0.0156	0.1233	0.4496	0.0696	0.4630	0.0944
0.300	0.5808	0.0957	0.4037	0.0928	0.0178	0.1321	0.4464	0.0765	0.4618	0.1024
0.337	0.5790	0.1081	0.4017	0.1049	0.0217	0.1462	0.4408	0.0885	0.4596	0.1157
0.413	0.5749	0.1334	0.3972	0.1297	0.0293	0.1721	0.4289	0.1149	0.4547	0.1431
0.487	0.5701	0.1593	0.3921	0.1553	0.0361	0.1951	0.4167	0.1447	0.4491	0.1713
0.600	0.5622	0.1998	0.3837	0.1955	0.0428	0.2245	0.3997	0.1952	0.4399	0.2154
0.788	0.5480	0.2713	0.3690	0.2670	0.0384	0.2660	0.3816	0.2920	0.4238	0.2942
1.013	0.5320	0.3636	0.3534	0.3600	0.0024	0.3212	0.3846	0.4150	0.4066	0.3964
1.875	0.5116	0.7424	0.3458	0.7354	-0.1297	0.8100	0.4729	0.7141	0.3970	0.8097
3.750	0.5024	1.5151	0.3424	1.4769	0.0779	1.6115	0.3656	1.4425	0.3926	1.6284
7.500	0.5104	3.0491	0.3572	2.9520	0.0064	3.0878	0.4004	2.9364	0.4083	3.2569

TABLE C107. M = 5/2, τ = 0.8

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.4445	0.0024	0.3112	0.0023	0	0.0030	0.3556	0.0021	0.3556	0.0026
0.017	0.4445	0.0048	0.3112	0.0047	0	0.0060	0.3556	0.0041	0.3556	0.0052
0.025	0.4445	0.0073	0.3112	0.0070	0.0001	0.0090	0.3556	0.0062	0.3556	0.0077
0.050	0.4445	0.0145	0.3111	0.0140	0.0003	0.0179	0.3554	0.0123	0.3555	0.0155
0.059	0.4444	0.0169	0.3111	0.0164	0.0003	0.0209	0.3553	0.0144	0.3555	0.0181
0.067	0.4444	0.0194	0.3110	0.0187	0.0004	0.0239	0.3551	0.0165	0.3555	0.0206
0.076	0.4444	0.0218	0.3110	0.0210	0.0006	0.0268	0.3550	0.0185	0.3554	0.0232
0.084	0.4443	0.0242	0.3110	0.0234	0.0007	0.0298	0.3548	0.0206	0.3554	0.0258
0.092	0.4443	0.0266	0.3109	0.0257	0.0008	0.0327	0.3547	0.0227	0.3553	0.0284
0.101	0.4443	0.0290	0.3109	0.0281	0.0010	0.0357	0.3545	0.0248	0.3553	0.0310
0.109	0.4442	0.0315	0.3108	0.0304	0.0012	0.0387	0.3543	0.0268	0.3552	0.0336
0.118	0.4442	0.0339	0.3107	0.0328	0.0014	0.0416	0.3541	0.0289	0.3552	0.0361
0.126	0.4441	0.0363	0.3107	0.0351	0.0015	0.0445	0.3539	0.0310	0.3551	0.0387
0.134	0.4440	0.0387	0.3106	0.0375	0.0018	0.0475	0.3537	0.0331	0.3550	0.0413
0.143	0.4440	0.0412	0.3106	0.0398	0.0020	0.0504	0.3534	0.0352	0.3549	0.0439
0.151	0.4439	0.0436	0.3105	0.0421	0.0022	0.0533	0.3532	0.0374	0.3549	0.0465
0.160	0.4438	0.0460	0.3104	0.0445	0.0025	0.0562	0.3529	0.0395	0.3548	0.0491
0.176	0.4437	0.0509	0.3102	0.0492	0.0030	0.0620	0.3523	0.0438	0.3546	0.0543
0.193	0.4435	0.0557	0.3100	0.0539	0.0035	0.0677	0.3516	0.0481	0.3544	0.0595
0.202	0.4434	0.0582	0.3099	0.0563	0.0038	0.0706	0.3513	0.0502	0.3543	0.0621
0.218	0.4432	0.0631	0.3097	0.0610	0.0045	0.0763	0.3506	0.0546	0.3540	0.0673
0.244	0.4429	0.0704	0.3094	0.0681	0.0055	0.0847	0.3494	0.0612	0.3537	0.0751
0.260	0.4427	0.0753	0.3091	0.0728	0.0062	0.0903	0.3486	0.0657	0.3534	0.0803
0.286	0.4423	0.0826	0.3087	0.0799	0.0073	0.0985	0.3472	0.0725	0.3529	0.0882
0.302	0.4420	0.0875	0.3084	0.0847	0.0081	0.1039	0.3463	0.0770	0.3526	0.0934
0.328	0.4416	0.0949	0.3080	0.0919	0.0093	0.1119	0.3448	0.0840	0.3521	0.1013
0.361	0.4410	0.1048	0.3073	0.1014	0.0109	0.1224	0.3428	0.0935	0.3514	0.1119
0.403	0.4401	0.1171	0.3064	0.1135	0.0130	0.1352	0.3400	0.1057	0.3504	0.1252
0.437	0.4394	0.1271	0.3056	0.1231	0.0147	0.1451	0.3377	0.1157	0.3495	0.1359
0.504	0.4379	0.1471	0.3039	0.1427	0.0179	0.1641	0.3331	0.1366	0.3477	0.1574
0.588	0.4357	0.1725	0.3015	0.1674	0.0212	0.1864	0.3274	0.1640	0.3451	0.1846
0.798	0.4295	0.2373	0.2950	0.2309	0.0233	0.2366	0.3162	0.2388	0.3380	0.2546
1.008	0.4230	0.3042	0.2884	0.2968	0.0124	0.2846	0.3130	0.3189	0.3307	0.3272
2.016	0.4063	0.6443	0.2763	0.6314	-0.0921	0.6848	0.3672	0.6235	0.3170	0.6959
2.100	0.4063	0.6728	0.2770	0.6590	-0.0878	0.7277	0.3662	0.6420	0.3176	0.7263
4.200	0.4038	1.3640	0.2787	1.3245	0.0351	1.3719	0.3106	1.3281	0.3191	1.4609
8.400	0.4070	2.7341	0.2841	2.6449	0.0473	2.7408	0.3031	2.6463	0.3248	2.9183

TABLE C108. M = 1, τ = 0.9

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	4.9198	-4.7174	1.5243	-1.3664	0.0253	0.0264	2.6903	-2.4786	3.0003	-2.7816
0.015	4.0579	-3.8102	1.2766	-1.0832	0.0307	0.0326	2.2398	-1.9804	2.4940	-2.2263
0.020	3.5498	-3.2636	1.1332	-0.9099	0.0351	0.0380	1.9770	-1.6774	2.1981	-1.8890
0.025	3.2068	-2.8867	1.0381	-0.7886	0.0389	0.0429	1.8016	-1.4667	2.0001	-1.6546
0.030	2.9561	-2.6056	0.9701	-0.6967	0.0421	0.0474	1.6749	-1.3080	1.8569	-1.4784
0.035	2.7636	-2.3848	0.9188	-0.6235	0.0450	0.0517	1.5787	-1.1825	1.7479	-1.3389
0.040	2.6099	-2.2050	0.8787	-0.5630	0.0477	0.0558	1.5112	-1.0794	1.6617	-1.2245
0.045	2.4840	-2.0546	0.8466	-0.5117	0.0500	0.0597	1.4416	-0.9924	1.5918	-1.1281
0.050	2.3785	-1.9260	0.8203	-0.4673	0.0522	0.0635	1.3912	-0.9175	1.5339	-1.0451
0.060	2.2115	-1.7158	0.7800	-0.3932	0.0559	0.0709	1.3125	-0.7937	1.4435	-0.9080
0.070	2.0845	-1.5490	0.7508	-0.3330	0.0591	0.0779	1.2545	-0.6941	1.3761	-0.7977
0.080	1.9843	-1.4119	0.7289	-0.2823	0.0618	0.0848	1.2101	-0.6111	1.3242	-0.7059
0.090	1.9032	-1.2959	0.7122	-0.2385	0.0640	0.0915	1.1755	-0.5401	1.2832	-0.6272
0.100	1.8361	-1.1960	0.6991	-0.1998	0.0660	0.0982	1.1477	-0.4780	1.2500	-0.5586
0.120	1.7315	-1.0302	0.6807	-0.1336	0.0689	0.1112	1.1070	-0.3735	1.2002	-0.4427
0.140	1.6537	-0.8962	0.6691	-0.0781	0.0708	0.1241	1.0796	-0.2872	1.1652	-0.3469
0.160	1.5938	-0.7839	0.6618	-0.0299	0.0719	0.1370	1.0606	-0.2136	1.1400	-0.2650
0.180	1.5466	-0.6873	0.6543	0.0131	0.0722	0.1499	1.0476	-0.1493	1.1183	-0.1931
0.200	1.5084	-0.6025	0.6549	0.0520	0.0720	0.1629	1.0388	-0.0919	1.1074	-0.1288
0.240	1.4510	-0.4582	0.6538	0.1209	0.0698	0.1893	1.0295	0.0075	1.0891	-0.0166
0.280	1.4105	-0.3377	0.6558	0.1815	0.0659	0.2162	1.0275	0.0924	1.0790	0.0802
0.320	1.3808	-0.2334	0.6594	0.2364	0.0604	0.2440	1.0298	0.1672	1.0737	0.1663
0.360	1.3587	-0.1410	0.6639	0.2871	0.0538	0.2725	1.0349	0.2344	1.0715	0.2448
0.400	1.3417	-0.0573	0.6687	0.3346	0.0460	0.3018	1.0417	0.2960	1.0712	0.3174
0.600	1.2976	0.2822	0.6920	0.5441	-0.0041	0.4617	1.0853	0.5503	1.0812	0.6288
0.800	1.2806	0.5543	0.7083	0.7308	-0.0649	0.6432	1.1283	0.7561	1.0925	0.8971
1.000	1.2708	0.7959	0.7169	0.9087	-0.1287	0.8452	1.1638	0.9378	1.0982	1.1475
1.500	1.2477	1.3467	0.7135	1.3466	-0.2693	1.4245	1.2122	1.3444	1.0879	1.7506
2.000	1.2180	1.8751	0.6903	1.7944	-0.3462	2.0745	1.2072	1.7318	1.0557	2.3569
2.500	1.1856	2.4037	0.6618	2.2579	-0.3400	2.7466	1.1603	2.1309	1.0175	2.9790
3.000	1.1563	2.9383	0.6373	2.7347	-0.2563	3.3965	1.0869	2.5583	0.9842	3.6161
3.500	1.1340	3.4777	0.6217	3.2200	-0.1189	3.9908	1.0042	3.0213	0.9619	4.2633

TABLE C109. M = 10/9, τ = 0.9

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	2.3628	-0.0659	1.4161	-0.0593	0.0011	0.0202	2.1230	-0.1022	2.1249	-0.0791
0.015	2.3573	-0.1051	1.4105	-0.0945	0.0029	0.0321	2.1125	-0.1629	2.1177	-0.1260
0.025	2.3432	-0.1695	1.3957	-0.1520	0.0076	0.0515	2.0852	-0.2614	2.0987	-0.2029
0.034	2.3227	-0.2319	1.3742	-0.2074	0.0144	0.0698	2.0454	-0.3555	2.0710	-0.2770
0.049	2.2771	-0.3263	1.3266	-0.2896	0.0290	0.0963	1.9581	-0.4927	2.0097	-0.3875
0.053	2.2634	-0.3485	1.3123	-0.3087	0.0333	0.1023	1.9321	-0.5239	1.9913	-0.4132
0.057	2.2487	-0.3701	1.2972	-0.3270	0.0377	0.1079	1.9046	-0.5536	1.9718	-0.4380
0.066	2.2085	-0.4213	1.2556	-0.3696	0.0497	0.1207	1.8298	-0.6214	1.9182	-0.4960
0.076	2.1638	-0.4680	1.2095	-0.4070	0.0625	0.1313	1.7475	-0.6788	1.8586	-0.5474
0.080	2.1449	-0.4853	1.1899	-0.4205	0.0678	0.1349	1.7129	-0.6987	1.8334	-0.5661
0.085	2.1149	-0.5096	1.1593	-0.4389	0.0758	0.1397	1.6592	-0.7251	1.7938	-0.5918
0.095	2.0624	-0.5460	1.1059	-0.4649	0.0891	0.1458	1.5666	-0.7597	1.7247	-0.6287
0.104	2.0069	-0.5766	1.0499	-0.4845	0.1021	0.1496	1.4710	-0.7821	1.6579	-0.6575
0.123	1.8900	-0.6202	0.9336	-0.5043	0.1256	0.1511	1.2785	-0.7910	1.5006	-0.6904
0.133	1.8299	-0.6330	0.8748	-0.5045	0.1356	0.1490	1.1847	-0.7778	1.4238	-0.6944
0.142	1.7696	-0.6399	0.8166	-0.4983	0.1438	0.1454	1.0945	-0.7537	1.3475	-0.6902
0.160	1.6626	-0.6377	0.7159	-0.4717	0.1539	0.1361	0.9458	-0.6853	1.2147	-0.6630
0.180	1.5390	-0.6114	0.6045	-0.4151	0.1570	0.1224	0.7954	-0.5662	1.0662	-0.5985
0.200	1.4378	-0.5681	0.5190	-0.3448	0.1509	0.1106	0.6951	-0.4347	0.9504	-0.5152
0.209	1.3921	-0.5407	0.4830	-0.3044	0.1450	0.1059	0.6589	-0.3643	0.9006	-0.4666
0.238	1.2786	-0.4415	0.4046	-0.1700	0.1178	0.0998	0.6055	-0.1507	0.7881	-0.3025
0.266	1.2022	-0.3284	0.3712	-0.0300	0.0829	0.1095	0.6249	0.0410	0.7319	-0.1285
0.304	1.1547	-0.1792	0.3882	0.1383	0.0397	0.1478	0.7242	0.2241	0.7346	0.0845
0.342	1.1540	-0.0541	0.4517	0.2618	0.0155	0.2053	0.8470	0.3100	0.7979	0.2455
0.399	1.1902	0.0666	0.5657	0.3484	0.0244	0.2887	0.9612	0.3105	0.9228	0.3684
0.475	1.2098	0.1365	0.6346	0.3517	0.0624	0.3324	0.9262	0.3012	0.9975	0.3927
0.570	1.1501	0.2284	0.5802	0.3957	0.0182	0.3457	0.8658	0.4800	0.9253	0.4642
0.665	1.1132	0.3854	0.5600	0.5439	-0.0548	0.4563	0.9704	0.6239	0.8940	0.6595
0.760	1.1392	0.5141	0.6220	0.6485	-0.0391	0.5685	1.0098	0.6381	0.9638	0.8028
0.855	1.1452	0.5908	0.6425	0.6846	-0.0523	0.6061	0.9696	0.7289	0.9860	0.8618
0.950	1.1165	0.6861	0.6103	0.7571	-0.1272	0.6968	1.0150	0.8522	0.9453	0.9630
1.140	1.1275	0.9002	0.6454	0.9402	-0.1309	0.9016	1.0341	0.9462	0.9836	1.2103
1.900	1.0919	1.6184	0.6259	1.5372	-0.3071	1.7560	1.0811	1.5112	0.9535	2.0227

TABLE C110. M = 1.25, τ = 0.9

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.011	1.5273	-0.0115	0.9162	-0.0104	0.0004	0.0148	1.3739	-0.0236	1.3744	-0.0139
0.025	1.5249	-0.0268	0.9136	-0.0241	0.0022	0.0345	1.3687	-0.0547	1.3711	-0.0321
0.050	1.5162	-0.0528	0.9045	-0.0472	0.0085	0.0679	1.3501	-0.1070	1.3594	-0.0630
0.054	1.5144	-0.0563	0.9026	-0.0504	0.0098	0.0726	1.3463	-0.1141	1.3569	-0.0673
0.058	1.5127	-0.0599	0.9007	-0.0535	0.0111	0.0772	1.3425	-0.1212	1.3545	-0.0715
0.061	1.5106	-0.0634	0.8987	-0.0566	0.0125	0.0817	1.3383	-0.1281	1.3519	-0.0756
0.065	1.5087	-0.0669	0.8966	-0.0596	0.0139	0.0862	1.3340	-0.1349	1.3492	-0.0796
0.072	1.5042	-0.0737	0.8919	-0.0655	0.0171	0.0950	1.3245	-0.1482	1.3432	-0.0876
0.079	1.4994	-0.0803	0.8869	-0.0712	0.0205	0.1036	1.3144	-0.1610	1.3367	-0.0953
0.086	1.4941	-0.0867	0.8813	-0.0766	0.0242	0.1120	1.3032	-0.1732	1.3295	-0.1026
0.094	1.4882	-0.0928	0.8753	-0.0818	0.0281	0.1201	1.2911	-0.1847	1.3218	-0.1096
0.101	1.4822	-0.0987	0.8690	-0.0867	0.0322	0.1279	1.2785	-0.1957	1.3136	-0.1163
0.108	1.4756	-0.1044	0.8622	-0.0913	0.0366	0.1355	1.2650	-0.2059	1.3049	-0.1226
0.119	1.4652	-0.1123	0.8513	-0.0976	0.0435	0.1462	1.2435	-0.2198	1.2909	-0.1313
0.126	1.4577	-0.1172	0.8436	-0.1014	0.0483	0.1529	1.2283	-0.2282	1.2809	-0.1366
0.133	1.4499	-0.1219	0.8356	-0.1048	0.0532	0.1593	1.2125	-0.2357	1.2705	-0.1414
0.140	1.4418	-0.1261	0.8272	-0.1079	0.0582	0.1654	1.1962	-0.2424	1.2597	-0.1457
0.148	1.4334	-0.1301	0.8185	-0.1105	0.0633	0.1711	1.1794	-0.2482	1.2485	-0.1496
0.158	1.4202	-0.1353	0.8049	-0.1138	0.0711	0.1789	1.1534	-0.2552	1.2310	-0.1544
0.169	1.4063	-0.1397	0.7908	-0.1161	0.0790	0.1860	1.1264	-0.2602	1.2126	-0.1580
0.176	1.3968	-0.1422	0.7810	-0.1171	0.0842	0.1902	1.1081	-0.2623	1.2001	-0.1598
0.191	1.3770	-0.1459	0.7610	-0.1179	0.0945	0.1976	1.0708	-0.2637	1.1741	-0.1616
0.198	1.3669	-0.1472	0.7507	-0.1175	0.0996	0.2008	1.0519	-0.2630	1.1608	-0.1617
0.223	1.3299	-0.1483	0.7137	-0.1128	0.1163	0.2091	0.9853	-0.2528	1.1126	-0.1573
0.241	1.3027	-0.1459	0.6866	-0.1059	0.1269	0.2126	0.9383	-0.2383	1.0774	-0.1497
0.266	1.2638	-0.1380	0.6487	-0.0914	0.1392	0.2145	0.8750	-0.2086	1.0278	-0.1328
0.281	1.2415	-0.1312	0.6273	-0.0806	0.1447	0.2143	0.8407	-0.1869	0.9998	-0.1199
0.299	1.2141	-0.1203	0.6012	-0.0646	0.1498	0.2129	0.8006	-0.1555	0.9654	-0.1007
0.331	1.1658	-0.0944	0.5567	-0.0292	0.1532	0.2085	0.7373	-0.0882	0.9064	-0.0575
0.353	1.1352	-0.0729	0.5295	-0.0014	0.1514	0.2050	0.7026	-0.0371	0.8700	-0.0233
0.360	1.1254	-0.0651	0.5209	0.0086	0.1500	0.2038	0.6925	-0.0193	0.8586	-0.0110
0.396	1.0796	-0.0212	0.4827	0.0627	0.1377	0.1995	0.6536	0.0744	0.8066	0.0563
0.432	1.0403	0.0291	0.4530	0.1226	0.1172	0.1993	0.6343	0.1712	0.7651	0.1313
0.468	1.0082	0.0841	0.4324	0.1859	0.0902	0.2055	0.6336	0.2658	0.7349	0.2111
0.504	0.9838	0.1419	0.4212	0.2503	0.0591	0.2197	0.6494	0.3534	0.7163	0.2929
0.594	0.9547	0.2868	0.4297	0.4024	-0.0191	0.2916	0.7361	0.5212	0.7161	0.4885
0.792	0.9868	0.5328	0.5358	0.6156	-0.0763	0.5370	0.9056	0.6359	0.8318	0.7754
0.900	1.0043	0.6191	0.5727	0.6690	-0.0542	0.6304	0.9011	0.6656	0.8740	0.8547
1.800	0.9607	1.3717	0.5509	1.2904	-0.2387	1.4366	0.9299	1.2995	0.8391	1.7019
3.600	0.9030	2.9121	0.5094	2.6739	0.0343	3.2173	0.7567	2.5444	0.7803	3.5475

TABLE C111. M = 10/7, τ = 0.9

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.010	1.1231	0.0004	0.6738	0.0004	0.0001	0.0103	1.0106	-0.0046	1.0107	0.0005
0.015	1.1230	0.0006	0.6736	0.0005	0.0003	0.0155	1.0103	-0.0069	1.0105	0.0007
0.025	1.1225	0.0010	0.6731	0.0009	0.0009	0.0257	1.0091	-0.0114	1.0099	0.0012
0.041	1.1213	0.0017	0.6719	0.0016	0.0023	0.0410	1.0064	-0.0180	1.0084	0.0021
0.051	1.1203	0.0022	0.6709	0.0020	0.0035	0.0512	1.0039	-0.0223	1.0069	0.0027
0.056	1.1197	0.0025	0.6702	0.0023	0.0042	0.0562	1.0025	-0.0244	1.0062	0.0030
0.061	1.1190	0.0028	0.6695	0.0026	0.0050	0.0612	1.0009	-0.0265	1.0052	0.0034
0.066	1.1183	0.0031	0.6687	0.0029	0.0059	0.0661	0.9992	-0.0285	1.0042	0.0038
0.071	1.1174	0.0034	0.6679	0.0032	0.0068	0.0711	0.9972	-0.0304	1.0031	0.0042
0.076	1.1166	0.0037	0.6670	0.0035	0.0078	0.0760	0.9953	-0.0323	1.0020	0.0046
0.082	1.1158	0.0040	0.6661	0.0038	0.0088	0.0808	0.9932	-0.0342	1.0008	0.0050
0.087	1.1148	0.0044	0.6651	0.0042	0.0100	0.0857	0.9910	-0.0360	0.9996	0.0055
0.092	1.1138	0.0048	0.6641	0.0046	0.0111	0.0905	0.9887	-0.0377	0.9982	0.0060
0.102	1.1116	0.0056	0.6618	0.0054	0.0136	0.0999	0.9835	-0.0410	0.9953	0.0071
0.112	1.1092	0.0065	0.6593	0.0064	0.0164	0.1092	0.9779	-0.0440	0.9920	0.0083
0.122	1.1066	0.0075	0.6566	0.0074	0.0193	0.1183	0.9719	-0.0466	0.9886	0.0097
0.133	1.1038	0.0087	0.6536	0.0086	0.0224	0.1272	0.9654	-0.0490	0.9848	0.0112
0.143	1.1008	0.0099	0.6505	0.0099	0.0258	0.1358	0.9585	-0.0510	0.9808	0.0129
0.153	1.0976	0.0113	0.6472	0.0114	0.0293	0.1442	0.9512	-0.0526	0.9764	0.0148
0.158	1.0959	0.0120	0.6454	0.0122	0.0311	0.1483	0.9474	-0.0532	0.9742	0.0158
0.168	1.0925	0.0136	0.6418	0.0139	0.0348	0.1564	0.9395	-0.0542	0.9695	0.0179
0.179	1.0888	0.0153	0.6380	0.0157	0.0386	0.1641	0.9313	-0.0548	0.9646	0.0203
0.189	1.0850	0.0172	0.6340	0.0177	0.0426	0.1716	0.9227	-0.0549	0.9595	0.0229
0.199	1.0809	0.0192	0.6299	0.0199	0.0466	0.1788	0.9138	-0.0546	0.9542	0.0257
0.209	1.0768	0.0214	0.6256	0.0223	0.0507	0.1858	0.9047	-0.0538	0.9486	0.0287
0.224	1.0702	0.0249	0.6189	0.0262	0.0570	0.1956	0.8905	-0.0517	0.9399	0.0337
0.240	1.0634	0.0289	0.6118	0.0306	0.0633	0.2047	0.8759	-0.0484	0.9308	0.0392
0.270	1.0488	0.0381	0.5969	0.0407	0.0759	0.2210	0.8456	-0.0384	0.9116	0.0521
0.301	1.0332	0.0491	0.5812	0.0528	0.0879	0.2346	0.8145	-0.0237	0.8912	0.0675
0.342	1.0114	0.0666	0.5595	0.0720	0.1022	0.2487	0.7734	0.0035	0.8629	0.0920
0.408	0.9747	0.1022	0.5235	0.1111	0.1184	0.2634	0.7111	0.0646	0.8159	0.1418
0.510	0.9198	0.1737	0.4727	0.1889	0.1197	0.2743	0.6397	0.1918	0.7487	0.2410
0.612	0.8735	0.2622	0.4343	0.2836	0.0884	0.2875	0.6105	0.3397	0.6964	0.3622
0.791	0.8261	0.4392	0.4095	0.4657	-0.0207	0.3653	0.6580	0.5767	0.6573	0.5975
0.995	0.8227	0.6370	0.4377	0.6533	-0.1327	0.5633	0.7739	0.7325	0.6845	0.8444
1.275	0.8481	0.8549	0.4930	0.8322	-0.1405	0.8671	0.8258	0.8228	0.7474	1.0887
2.550	0.8132	1.7760	0.4685	1.6323	-0.1231	1.9671	0.7498	1.5556	0.7124	2.1652
5.100	0.7953	3.6686	0.4694	3.3340	0.1448	3.6769	0.6555	3.3340	0.7080	4.4346

TABLE C112. M = 5/3, τ = 0.9

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.013	0.8594	0.0043	0.5156	0.0039	0.0001	0.0099	0.7733	0.0011	0.7734	0.0052
0.019	0.8593	0.0065	0.5155	0.0059	0.0002	0.0148	0.7732	0.0017	0.7733	0.0078
0.026	0.8592	0.0087	0.5154	0.0078	0.0004	0.0198	0.7729	0.0022	0.7732	0.0104
0.051	0.8586	0.0174	0.5147	0.0156	0.0016	0.0395	0.7711	0.0046	0.7723	0.0209
0.058	0.8583	0.0196	0.5144	0.0176	0.0020	0.0443	0.7704	0.0053	0.7719	0.0235
0.064	0.8580	0.0217	0.5141	0.0196	0.0025	0.0492	0.7697	0.0059	0.7715	0.0261
0.070	0.8577	0.0239	0.5138	0.0216	0.0030	0.0541	0.7689	0.0066	0.7711	0.0288
0.077	0.8574	0.0261	0.5135	0.0236	0.0035	0.0589	0.7680	0.0073	0.7707	0.0314
0.083	0.8571	0.0284	0.5131	0.0256	0.0042	0.0637	0.7671	0.0080	0.7703	0.0341
0.090	0.8566	0.0306	0.5127	0.0276	0.0048	0.0685	0.7661	0.0087	0.7697	0.0367
0.096	0.8562	0.0328	0.5123	0.0296	0.0055	0.0733	0.7650	0.0095	0.7691	0.0394
0.102	0.8558	0.0350	0.5118	0.0316	0.0062	0.0780	0.7639	0.0103	0.7686	0.0421
0.109	0.8553	0.0373	0.5113	0.0336	0.0070	0.0828	0.7627	0.0111	0.7679	0.0448
0.115	0.8548	0.0395	0.5108	0.0357	0.0079	0.0875	0.7614	0.0120	0.7673	0.0475
0.122	0.8543	0.0418	0.5103	0.0377	0.0087	0.0921	0.7600	0.0129	0.7666	0.0503
0.128	0.8538	0.0440	0.5097	0.0398	0.0096	0.0968	0.7586	0.0138	0.7658	0.0530
0.134	0.8532	0.0463	0.5091	0.0419	0.0106	0.1014	0.7571	0.0148	0.7651	0.0558
0.141	0.8526	0.0486	0.5085	0.0440	0.0116	0.1059	0.7556	0.0158	0.7643	0.0586
0.154	0.8513	0.0532	0.5072	0.0482	0.0136	0.1150	0.7523	0.0179	0.7626	0.0642
0.160	0.8506	0.0556	0.5065	0.0503	0.0147	0.1194	0.7506	0.0191	0.7616	0.0670
0.173	0.8492	0.0603	0.5050	0.0547	0.0170	0.1282	0.7469	0.0215	0.7597	0.0727
0.186	0.8477	0.0650	0.5034	0.0590	0.0194	0.1369	0.7431	0.0241	0.7577	0.0785
0.198	0.8460	0.0693	0.5017	0.0636	0.0220	0.1453	0.7390	0.0270	0.7555	0.0844
0.218	0.8435	0.0771	0.4990	0.0703	0.0260	0.1577	0.7325	0.0317	0.7520	0.0934
0.243	0.8397	0.0872	0.4951	0.0796	0.0316	0.1735	0.7231	0.0388	0.7470	0.1057
0.269	0.8356	0.0975	0.4908	0.0893	0.0374	0.1884	0.7132	0.0469	0.7415	0.1185
0.301	0.8299	0.1108	0.4850	0.1019	0.0449	0.2060	0.7000	0.0585	0.7340	0.1351
0.352	0.8202	0.1333	0.4750	0.1233	0.0568	0.2311	0.6778	0.0809	0.7211	0.1633
0.416	0.8068	0.1636	0.4615	0.1525	0.0703	0.2577	0.6496	0.1154	0.7035	0.2016
0.512	0.7852	0.2138	0.4402	0.2015	0.0843	0.2886	0.6099	0.1805	0.6758	0.2656
0.608	0.7635	0.2696	0.4196	0.2566	0.0868	0.3121	0.5789	0.2592	0.6486	0.3375
0.800	0.7257	0.3963	0.3870	0.3819	0.0488	0.3593	0.5573	0.4371	0.6047	0.5008
0.992	0.7021	0.5353	0.3729	0.5175	-0.0342	0.4439	0.5910	0.6041	0.5835	0.6781
1.600	0.7074	0.9524	0.4121	0.8937	-0.1689	0.9969	0.7162	0.8718	0.6243	1.1794
3.200	0.6843	1.9523	0.3973	1.7816	0.0281	2.1474	0.5835	1.6922	0.6025	2.3673
6.400	0.6924	3.9494	0.4183	3.5661	-0.0845	3.9099	0.6661	3.5872	0.6260	4.7509

TABLE C113. M = 2, τ = 0.9

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.6616	0.0030	0.3970	0.0027	0	0.0045	0.5954	0.0019	0.5955	0.0036
0.015	0.6616	0.0060	0.3969	0.0054	0.0001	0.0089	0.5954	0.0039	0.5954	0.0071
0.023	0.6615	0.0089	0.3969	0.0080	0.0001	0.0134	0.5953	0.0058	0.5954	0.0107
0.037	0.6614	0.0149	0.3968	0.0134	0.0004	0.0223	0.5949	0.0097	0.5952	0.0179
0.052	0.6612	0.0209	0.3966	0.0188	0.0008	0.0312	0.5944	0.0136	0.5950	0.0250
0.060	0.6611	0.0238	0.3965	0.0215	0.0010	0.0356	0.5942	0.0156	0.5948	0.0286
0.067	0.6610	0.0268	0.3964	0.0241	0.0013	0.0401	0.5938	0.0175	0.5947	0.0322
0.075	0.6610	0.0298	0.3963	0.0268	0.0015	0.0445	0.5935	0.0195	0.5946	0.0358
0.083	0.6608	0.0328	0.3961	0.0295	0.0019	0.0489	0.5931	0.0215	0.5944	0.0394
0.090	0.6606	0.0358	0.3960	0.0322	0.0022	0.0533	0.5926	0.0235	0.5941	0.0430
0.098	0.6605	0.0388	0.3958	0.0349	0.0026	0.0577	0.5922	0.0255	0.5940	0.0466
0.105	0.6603	0.0418	0.3956	0.0376	0.0030	0.0620	0.5916	0.0276	0.5937	0.0502
0.112	0.6601	0.0448	0.3954	0.0403	0.0034	0.0664	0.5910	0.0296	0.5934	0.0538
0.128	0.6597	0.0508	0.3950	0.0458	0.0044	0.0750	0.5898	0.0337	0.5929	0.0610
0.135	0.6594	0.0538	0.3947	0.0485	0.0049	0.0794	0.5891	0.0358	0.5925	0.0646
0.143	0.6592	0.0568	0.3944	0.0512	0.0055	0.0836	0.5885	0.0380	0.5922	0.0683
0.150	0.6590	0.0599	0.3942	0.0540	0.0060	0.0879	0.5877	0.0401	0.5919	0.0719
0.158	0.6587	0.0629	0.3939	0.0567	0.0066	0.0922	0.5869	0.0422	0.5915	0.0756
0.173	0.6581	0.0690	0.3933	0.0622	0.0079	0.1006	0.5853	0.0466	0.5907	0.0829
0.188	0.6575	0.0750	0.3926	0.0677	0.0092	0.1089	0.5836	0.0511	0.5899	0.0902
0.202	0.6568	0.0812	0.3919	0.0732	0.0107	0.1172	0.5817	0.0556	0.5890	0.0976
0.218	0.6561	0.0873	0.3912	0.0788	0.0122	0.1253	0.5796	0.0603	0.5880	0.1050
0.240	0.6549	0.0966	0.3900	0.0872	0.0146	0.1373	0.5764	0.0675	0.5865	0.1162
0.263	0.6537	0.1059	0.3887	0.0957	0.0172	0.1490	0.5730	0.0749	0.5848	0.1275
0.278	0.6528	0.1121	0.3878	0.1014	0.0189	0.1567	0.5705	0.0801	0.5836	0.1350
0.300	0.6514	0.1216	0.3863	0.1100	0.0217	0.1680	0.5667	0.0880	0.5817	0.1465
0.337	0.6488	0.1375	0.3837	0.1246	0.0264	0.1860	0.5600	0.1019	0.5783	0.1658
0.413	0.6431	0.1700	0.3778	0.1545	0.0358	0.2196	0.5457	0.1326	0.5707	0.2055
0.487	0.6366	0.2036	0.3712	0.1856	0.0444	0.2496	0.5309	0.1671	0.5622	0.2467
0.600	0.6261	0.2562	0.3608	0.2347	0.0532	0.2886	0.5102	0.2259	0.5486	0.3115
0.788	0.6083	0.3498	0.3438	0.3228	0.0502	0.3440	0.4872	0.3391	0.5263	0.4277
1.013	0.5900	0.4703	0.3283	0.4370	0.0106	0.4154	0.4882	0.4840	0.5053	0.5781
1.875	0.5784	0.9459	0.3371	0.8721	-0.1480	1.0061	0.5894	0.8456	0.5106	1.1559
3.750	0.5681	1.9254	0.3340	1.7489	0.0744	2.0261	0.4735	1.7018	0.5044	2.3265
7.500	0.5736	3.8605	0.3436	3.4797	0.0008	3.9172	0.5107	3.4544	0.5157	4.6378

TABLE C114. M = 5/2, τ = 0.9

ω	k_c'	k_c''	m_c'	m_c''	n_a'	n_a''	n_b'	n_b''	n_c'	n_c''
0.008	0.5001	0.0031	0.3001	0.0028	0	0.0038	0.4501	0.0024	0.4501	0.0037
0.017	0.5001	0.0061	0.3001	0.0055	0	0.0076	0.4500	0.0048	0.4501	0.0073
0.025	0.5001	0.0092	0.3000	0.0083	0.0001	0.0113	0.4500	0.0072	0.4501	0.0110
0.050	0.5000	0.0184	0.3000	0.0165	0.0003	0.0227	0.4498	0.0144	0.4500	0.0220
0.059	0.5000	0.0214	0.2999	0.0193	0.0004	0.0264	0.4496	0.0168	0.4499	0.0257
0.067	0.4999	0.0245	0.2999	0.0220	0.0005	0.0302	0.4495	0.0192	0.4499	0.0294
0.076	0.4999	0.0276	0.2998	0.0248	0.0007	0.0340	0.4493	0.0216	0.4498	0.0331
0.084	0.4998	0.0306	0.2998	0.0276	0.0008	0.0377	0.4492	0.0240	0.4497	0.0368
0.092	0.4997	0.0337	0.2997	0.0303	0.0010	0.0415	0.4489	0.0264	0.4496	0.0404
0.101	0.4997	0.0368	0.2996	0.0331	0.0012	0.0452	0.4488	0.0289	0.4496	0.0441
0.109	0.4996	0.0398	0.2996	0.0358	0.0014	0.0489	0.4485	0.0313	0.4495	0.0478
0.118	0.4996	0.0429	0.2995	0.0386	0.0016	0.0527	0.4483	0.0337	0.4494	0.0515
0.126	0.4995	0.0460	0.2994	0.0414	0.0019	0.0564	0.4480	0.0362	0.4493	0.0552
0.134	0.4994	0.0490	0.2993	0.0441	0.0021	0.0601	0.4478	0.0386	0.4491	0.0589
0.143	0.4993	0.0521	0.2992	0.0469	0.0024	0.0638	0.4475	0.0411	0.4490	0.0626
0.151	0.4992	0.0552	0.2991	0.0497	0.0027	0.0675	0.4471	0.0436	0.4489	0.0662
0.160	0.4991	0.0583	0.2990	0.0525	0.0030	0.0712	0.4468	0.0461	0.4487	0.0699
0.176	0.4989	0.0644	0.2987	0.0580	0.0036	0.0785	0.4461	0.0510	0.4484	0.0773
0.193	0.4986	0.0706	0.2985	0.0636	0.0043	0.0858	0.4453	0.0561	0.4481	0.0848
0.202	0.4985	0.0737	0.2984	0.0664	0.0046	0.0894	0.4449	0.0586	0.4479	0.0885
0.218	0.4982	0.0799	0.2981	0.0719	0.0054	0.0966	0.4440	0.0637	0.4475	0.0959
0.244	0.4978	0.0891	0.2976	0.0803	0.0066	0.1074	0.4426	0.0714	0.4469	0.1071
0.260	0.4975	0.0954	0.2973	0.0859	0.0075	0.1144	0.4416	0.0766	0.4465	0.1145
0.286	0.4969	0.1047	0.2967	0.0944	0.0089	0.1249	0.4400	0.0845	0.4458	0.1258
0.302	0.4965	0.1109	0.2963	0.1000	0.0098	0.1318	0.4389	0.0899	0.4453	0.1333
0.328	0.4959	0.1203	0.2957	0.1085	0.0113	0.1421	0.4372	0.0980	0.4445	0.1446
0.361	0.4951	0.1328	0.2948	0.1198	0.0133	0.1554	0.4347	0.1091	0.4434	0.1597
0.403	0.4939	0.1486	0.2936	0.1341	0.0159	0.1717	0.4314	0.1234	0.4418	0.1787
0.437	0.4929	0.1613	0.2926	0.1457	0.0180	0.1844	0.4286	0.1351	0.4405	0.1940
0.504	0.4908	0.1869	0.2904	0.1689	0.0219	0.2089	0.4231	0.1594	0.4376	0.2250
0.588	0.4878	0.2193	0.2874	0.1985	0.0262	0.2377	0.4161	0.1915	0.4337	0.2643
0.798	0.4797	0.3024	0.2794	0.2748	0.0296	0.3029	0.4022	0.2791	0.4233	0.3655
1.008	0.4717	0.3886	0.2720	0.3543	0.0182	0.3651	0.3975	0.3734	0.4135	0.4709
2.016	0.4575	0.8204	0.2668	0.7494	-0.1052	0.8556	0.4591	0.7371	0.4040	0.9955
2.100	0.4579	0.8558	0.2679	0.7811	-0.1010	0.9078	0.4583	0.7593	0.4053	1.0378
4.200	0.4560	1.7306	0.2710	1.5657	0.0334	1.7355	0.3974	1.5646	0.4078	2.0849
8.400	0.4571	3.4634	0.2729	3.1205	0.0508	3.4776	0.3880	3.1140	0.4100	4.1595

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(ORGANISATION DU TRAITE DE L'ATLANTIQUE NORD)

MANUAL ON AEROELASTICITY
SUBJECT AND AUTHOR INDEX

Edited by

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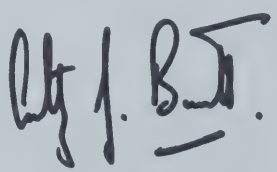
FOREWORD

The Subject Index and Author Index cover all the chapters in the six loose-leaf volumes of the Manual on Aeroelasticity and were up to date in April 1970. Since that date new chapters of the Manual have been published in the AGARD Report series.

The Indexes are published in two forms: in the AGARD Report series as AGARD Report 578 and in loose-leaf form for insertion in Volume VI of the Manual.

Entries are given by Volume, Chapter and Page number. For example, II/9/56 denotes Volume II, Chapter 9, page 56. The letter S after a Chapter number denotes a Supplement to that Chapter. The letters TG denote the section of Tables and Graphs in Volume VI. The abbreviation INTRO denotes the Introductory Survey in Volume I.



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